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IV. BIOLOGY

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A. VEGETATION

1. OIL SHALE VEGETATION TYPES

Table 1.

OIL SHALE VEGETATION TYPES

Vegetation Type 1 . .	Sagebrush - greasewood
Vegetation Type 2 . .	Juniper
Vegetation Type 3 . .	Saltbush
Vegetation Type 4 . .	Riparian

Table 2. ALPHABETICAL SPECIES LIST

SPECIES	SCIENTIFIC NAME	COMMON NAME
AGRSMI	*Agropyron smithii*	bluestem wheatgrass
AMBPSI	*Ambrosia psilostachy*	
ARTLUD	*Artemisia ludoviciana*	
ARTNOV	*Artemisia nova*	black sagebrush
ARTTRI	*Artemisia tridentata*	big sagebrush
ASTSPP	*Astragalus spp.*	loco weed
ATRCON	*Atriplex confertifolia*	shadscale
ATRPAT	*Atriplex patula*	
BARGRO	*Bare Ground*	
CENPAU	*Cenchrus pauciflorus*	
CHRGRE	*Chrysothamnus greenii*	rabbitbrush
CHRNAU	*Chrysothamnus nauseosus*	big rabbitbrush
CHRVIS	*Chrysothamnus viscidiflorus*	sticky flower rabbitbrush
CHYGRE	*(see CHRGRE)*	
CIRSPP	*Cirsium spp*	
CLELIG	*Clematis ligusticifolia*	
COMPAL	*Comandra pallida*	
CRUCIF	*Cruciferae Family*	
CRYGRM	*Cryptograms*	
DISSPI	*Distichlis stricta*	saltgrass
EPHVIR	*Ephedra viridus*	mormon tea
EQUARV	*Equisetum arvense*	
ERIGSP	*Erigeron spp.*	
ERISPP	*Eriogonum spp*	buckwheat family

SPECIES	SCIENTIFIC NAME	COMMON NAME
EUPSPP	*Euphorbia spp*	
EURLAN	*Eurotia lanata (cerontoides lanata)*	winterfat
FORSPI	*Forsellesia spinescens*	greasebush
GRASPI	*Grayia spinosa*	spiny hop sage
GUTSAR	*Gutierrezia sarothrae*	snakeweed
HALGLO	*Halogeton glomeratus*	halogeton
HILJAM	*Hilaria jamesii*	
HYMENO	*Hymenoxys odoratum*	
IVAAXI	*Iva axillaris*	marsh elder
JUNBAL	*Juncus balticus*	
JUNOST	*Juniperus osteosperma*	Juniper
KOCSCO	*Kochia scoparia*	
KOCVES	*Kochia vestita*	
LITTER	*Litter (leaves, dead stems, etc.)*	
MELOFF	*Melilotus officinalis*	
MULASP	*Muhlenbergia asperifolia*	
OPUSPP	*Opuntia spp*	prickly-pear cactus
ORYHYM	*Oryxopsis hymenoides*	Indian ricegrass
PDASAN	*(see POASAN)*	
PHLOXP	*Phlox spp*	phlox
PHRCOM	*Phragmites communis*	
POAFEN	*Poa fenleriana*	
POASAN	*Poa sandbergii.*	
POPFRE	*Populus fremontii*	
RHUTRI	*Rhus trilobata*	

SPECIES	SCIENTIFIC NAME	COMMON NAME
SALEXI	*Salix exigua*	
SALKAL	*Salsola kali*	Russian thistle
SARVER	*Sarcobatus vermiculatus*	greasewood
SENECO	*Senecio spp.*	
SISALT	*Sisymbrium altissium*	squirrel tail
SITHYS	*Sitanion hystrix*	
SOLRIG	*Solidago rigidis*	
SPHEAR	*Sphaeralcea spp.*	globemallow
SPOAIR	*Sporobolus airoides*	sand dropseed
SPOCRY	*Sporobolus cryptandrus*	
STALIT (01)	*Standing litter*	
STALIT (02)	*Standing litter*	
STICOM	*Stipa comata*	needle and thread
TAMPEN	*Tamarix pentandra*	salt cedar
TETSPI	*Tetradymia spinosa*	horsebrush

(This species list is not complete and is subject to change.)

Table 3. Mean and 90 percent confidence interval for height, cover, density, and dry matter production based on the number of plots observed to contain the subject species from five sampling sites in the Sagebrush - greasewood vegetation type.

VEGETATION TYPE: 1   SITE: 1

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTTRI	10	35.9	26.0 45.8	10	926.1	514.6 1337.6	10	2.9	1.7 4.1	10	0.282	0.053 0.511
ATRCON	3	18.0	-4.4 40.4	3	128.3	-61.5 318.1	3	1.3	0.5 2.1	3	0.229	-0.192 0.650
BARGRO	0	0.0	0.0 0.0	20	29518.5	25431.5 33605.4	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRVIS	1	47.0	47.0 47.0	2	735.0	-618.2 2151.2	1	1.0	1.0 1.0	1	0.622	0.622 0.622
EURLAN	1	21.0	21.0 21.0	1	70.0	70.0 70.0	1	1.0	1.0 1.0	1	0.014	0.014 0.014
GRASPI	11	38.7	30.2 47.2	11	881.4	576.2 1186.6	10	1.4	0.9 1.9	11	0.158	0.046 0.270
LITTER	0	0.0	0.0 0.0	20	8842.7	4702.3 12983.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0
OPUSPP	0	0.0	0.0 0.0	1	30.0	30.0 30.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0
ORYHYM	3	23.7	17.5 29.8	3	28.7	11.5 45.9	3	1.7	0.3 2.5	3	0.056	0.015 0.097
SALKAL	15	8.5	6.7 10.4	16	422.7	112.6 732.8	16	95.2	39.3 151.0	16	0.132	-0.003 0.268
SARVER	7	69.9	53.4 86.4	10	980.3	450.1 1510.5	6	1.3	0.9 1.7	7	0.625	0.266 0.251

VEGETATION TYPE: 1 SITE: 2

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTNOV	1	15.0	15.0 15.0	1	765.0	765.0 765.0	1	12.0	12.0 12.0	1	0.574	0.574 0.574
ARTTRI	18	32.3	28.6 36.7	18	1083.9	830.7 1345.2	18	4.7	3.7 4.6	18	0.385	0.296 0.473
ATRCON	6	25.5	19.8 31.2	6	285.0	41.8 528.2	6	3.0	-0.5 6.5	6	0.151	0.006 0.295
BARGRO	0	0.0	0.0 0.0	20	35268.3	33282.5 37254.1	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRVIS	8	34.5	30.1 38.9	8	231.9	108.7 355.1	8	1.4	1.1 1.7	8	0.075	0.033 0.0117
CRUCIF	2	20.0	-9.2 49.2	2	4.5	3.0 6.0	2	1.0	1.0 1.0	2	0.018	0.007 0.028
ERIGSP	1	11.0	11.0 11.0	1	120.0	120.0 120.0	1	3.0	3.0 3.0	1	0.005	0.005 0.005
ERISPP	1	17.0	17.0 17.0	1	4.0	4.0 4.0	1	2.0	2.0 2.0	1	0.018	0.018 0.018
EURLAN	1	50.0	50.0 50.0	1	280.0	280.0 280.0	1	1.0	1.0 1.0	1	0.148	0.148 0.148
GRASPI	5	37.0	29.9 44.1	5	1436.0	-219.9 3091.9	5	1.4	0.9 1.9	5	0.220	-0.090 0.531

VEGETATION TYPE: 1 SITE: 2 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density ($individual/4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
GUTSAR	8	26.9	22.4 31.3	8	65.9	38.7 93.1	8	2.3	0.9 3.6	8	0.024	0.013 0.035
LITTER	0	0.0	0.0 0.0	20	2635.1	946.6 4323.6	0	0.0	0.0 0.0	0	0.0	0.0 0.0
ORYHYM	13	28.5	23.9 33.2	13	275.8	112.5 439.0	13	2.8	1.9 3.7	13	0.387	0.067 0.708
SARVER	5	51.6	27.6 75.6	6	444.2	-57.8 946.2	5	1.2	0.8 1.6	5	0.553	-0.336 1.441
STICOM	14	16.1	14.9 17.4	14	120.8	78.4 163.1	14	11.9	7.7 16.0	14	0.055	0.041 0.068
TETSPI	1	37.0	37.0 37.0	1	240.0	240.0 240.0	1	1.0	1.0 1.0	1	0.106	0.106 0.106

VEGETATION TYPE: 1 SITE: 3

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
AMBPSI	2	26.0	8.4 43.5	2	30.0	30.0 30.0	2	2.0	-0.9 4.9	2	0.085	0.044 0.126
ARTTRI	4	31.6	17.3 46.2	4	1401.3	-96.9 2899.4	4	5.3	2.0 8.6	4	0.758	-0.122 1.639
BARGRO	0	0.0	0.0 0.0	20	34257.5	31764.6 36750.4	0	0.0	0.0 0.0	0	0.0	0.0 0.0
GUTSAR	1	12.0	12.0 12.0	1	10.0	10.0 10.0	1	1.0	1.0 1.0	1	0.002	0.002 0.002
HILJAM	1	8.0	8.0 8.0	1	5.0	5.0 5.0	1	1.0	1.0 1.0	1	0.001	0.001 0.001
LITTER	0	0.0	0.0 0.0	19	4726.7	1110.2 8343.1	0	0.0	0.0 0.0	0	0.0	0.0 0.0
OPUSPP	1	5.0	5.0 5.0	1	50.0	50.0 50.0	1	1.0	1.0 1.0	0	0.0	0.0 0.0
ORYHYM	1	36.0	36.0 36.0	1	70.0	70.0 70.0	1	1.0	1.0 1.0	1	0.692	0.692 0.692
SALKAL	17	22.1	17.7 26.5	17	2322.8	1607.3 3038.3	17	138.9	91.5 186.4	17	3.287	0.803 5.772
SARVER	3	87.3	52.3 122.4	3	1483.3	-591.3 3558.0	3	1.0	1.0 1.0	3	1.305	0.086 2.524

VEGETATION TYPE: 1 SITE: 3 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
SPOCRY	1	25.0	25.0 25.0	1	155.0	155.0 155.0	1	4.0	4.0 4.0	1	0.338	0.338 0.338
TETSPI	1	38.0	48.0 48.0	1	1200.0	1200.0 1200.0	1	1.0	1.0 1.0	1	1.116	1.116 1.116

VEGETATION TYPE: 1 SITE: 4

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTNOV	16	30.5	26.4 34.6	16	681.3	373.6 988.9	16	2.7	1.7 3.7	16	0.355	0.136 0.574
ATRCON	6	19.8	16.0 23.7	6	179.2	85.2 273.2	6	2.7	1.4 4.0	6	0.109	0.031 0.186
BARGRO	0	0.0	0.0 0.0	20	31885.4	29195.0 34574.7	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRVIS	12	30.7	25.8 35.5	12	752.5	450.9 1054.1	12	2.5	1.7 3.3	12	0.212	0.098 0.326
CRUCIF	5	31.2	22.8 39.6	5	12.0	5.2 18.8	5	2.0	0.4 3.6	5	0.030	0.014 0.046
ERISPP	2	24.0	-11.0 59.0	2	17.5	-19.0 54.0	2	1.0	1.0 1.0	2	0.012	-0.019 0.042
EURLAN	2	15.5	14.0 17.0	2	55.0	-76.4 186.4	2	1.0	1.0 1.0	2	0.019	-0.000 0.037
GRASPI	3	37.3	25.0 49.7	3	1176.7	-983.2 3336.5	3	1.7	0.1 3.2	3	0.117	-0.069 0.303
GUTSAR	4	26.8	19.8 33.7	4	253.8	-205.8 713.3	4	1.8	0.7 2.8	4	0.072	-0.025 0.168
HILJAM	2	9.5	5.1 13.9	2	372.5	219.2 525.8	2	4.5	3.0 6.0	2	0.040	-0.030 0.110

VEGETATION TYPE: 1 SITE: 4 (continued)

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
KOCVES	5	39.4	27.0 51.8	5	198.0	0.8 394.2	4	4.3	0.0 8.4	5	0.106	0.032 0.179
LITTER	0	0.0	0.0 0.0	20	3748.2	1876.8 5619.6	0	0.0	0.0 0.0	0	0.0	0.0 0.0
OPUSPP	2	6.5	2.1 10.9	2	80.0	-95.2 255.2	2	1.0	1.0 1.0	0	0.0	0.0 0.0
ORYHYM	11	24.4	21.0 27.7	11	175.8	19.9 331.8	11	2.5	1.5 3.6	11	0.255	-0.007 0.517
SARVER	15	43.9	34.2 53.5	17	1973.0	617.9 3328.1	15	3.3	2.2 4.3	15	3.570	0.698 6.443
STICOM	13	18.8	16.8 20.9	13	163.5	94.0 233.0	13	7.4	4.0 10.8	12	0.056	0.033 0.078
TETSPI	5	33.2	25.1 41.3	5	208.0	36.3 379.7	5	1.4	0.9 1.9	5	0.067	0.023 0.111

VEGETATION TYPE: 1   SITE: 5

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTNOV	13	26.4	19.2 33.6	13	681.5	231.8 1131.3	13	3.8	2.2 5.4	13	0.216	0.048 0.384
ARTTRI	2	31.5	30.0 33.0	2	1310.0	550.8 2069.2	2	5.0	-0.8 10.8	2	0.646	-0.139 1.430
ASTSPP	1	4.0	4.0 4.0	1	15.0	15.0 15.0	1	3.0	3.0 3.0	1	0.003	0.003 0.003
ATRCON	11	22.6	16.0 29.3	11	217.5	106.0 329.1	11	2.3	1.3 3.3	11	0.114	0.054 0.173
BARGRO	0	0.0	0.0 0.0	20	37662.7	36690.6 38634.7	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CRUCIF	5	28.6	13.7 43.5	5	15.4	-2.4 33.2	5	1.2	0.8 1.6	5	0.022	0.009 0.035
ERIGSP	1	2.0	2.0 2.0	1	4.0	4.0 4.0	1	1.0	1.0 1.0	1	0.007	0.007 0.007
ERISPP	4	13.5	7.7 19.3	4	21.5	-2.9 45.9	4	2.0	-0.1 4.1	4	0.008	-0.002 0.017
EURLAN	2	21.0	18.1 23.9	2	55.0	-76.4 186.4	2	1.0	1.0 1.0	2	0.072	-0.039 0.183
GUTSAR	11	19.9	15.9 23.9	11	116.0	35.0 196.9	11	5.3	1.1 9.4	11	0.044	0.013 0.075

VEGETATION TYPE: 1 SITE: 5 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
HILJAM	8	10.4	8.2 12.5	8	50.6	11.9 89.3	8	5.1	2.8 7.4	8	0.018	0.010 0.026
LITTER	0	0.0	0.0 0.0	20	1306.4	485.0 2126.9	0	0.0	0.0 0.0	0	0.0	0.0 0.0
OPUSPP	3	4.3	3.5 5.1	3	27.3	8.1 46.6	3	1.0	1.0 1.0	0	0.0	0.0 0.0
ORYHYM	16	21.8	17.6 26.0	16	163.8	60.4 267.2	16	3.1	1.9 4.3	16	0.166	0.052 0.279
SALKAL	1	19.0	19.0 19.0	1	20.0	20.0 20.0	1	19.0	19.0 19.0	1	0.007	0.007 0.007
SARVER	1	14.0	14.0 14.0	1	110.0	110.0 110.0	1	6.0	6.0 6.0	1	0.023	0.023 0.023
SITHYS	1	15.0	15.0 15.0	1	16.0	16.0 16.0	1	1.0	1.0 1.0	1	0.025	0.025 0.025
SPHEAR	5	13.6	10.9 16.3	5	21.0	5.3 36.7	5	1.4	0.6 2.2	5	0.026	-0.000 0.052
STICOM	20	17.7	14.3 21.1	20	203.7	118.7 288.7	20	13.9	10.4 17.3	20	0.087	0.054 0.119

Table 4. Mean and 90 percent confidence interval for height, cover, density, and dry matter production based on the number of plots observed to contain the subject species from five sampling sites in the Juniper vegetation type.

VEGETATION TYPE: 2   SITE: 1

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
AGRSMI	1	23.0	23.0 23.0	1	30.0	30.0 30.0	1	2.0	2.0 2.0	1	0.050	0.050 0.050
ARTLUD	7	7.0	5.2 8.8	7	140.0	75.5 204.5	7	2.3	1.3 3.3	7	0.136	0.031 0.242
ARTNOV	7	8.3	5.8 10.7	9	331.1	58.2 604.1	7	3.0	1.6 4.4	7	0.053	0.025 0.038
ARTTRI	1	17.0	17.0 17.0	1	1.0	1.0 1.0	1	1.0	1.0 1.0	1	0.004	0.004 0.004
ASTSPP	5	13.6	10.6 16.6	5	88.8	15.8 161.8	5	2.0	1.1 2.9	5	0.060	0.017 0.104
ATRCON	1	6.0	6.0 6.0	1	20.0	20.0 20.0	1	1.0	1.0 1.0	1	0.016	0.016 0.016
BARGRO	0	0.0	0.0 0.0	20	36262.6	34308.7 38216.5	0	0.0	0.0 0.0	0	0.0	0.0 0.0
BOUGRA	1	6.0	6.0 6.0	1	130.0	130.0 130.0	1	4.0	4.0 4.0	1	0.046	0.046 0.046
CHRGRE	2	12.0	3.2 20.8	2	2.0	2.0 2.0	2	1.5	0.0 3.0	2	0.035	0.035 0.035
CHRVIS	13	10.2	8.0 12.3	13	277.7	172.7 382.7	13	5.2	2.7 7.6	13	0.172	0.075 0.268

VEGETATION TYPE: 2 SITE: 1 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
CHYGRE	1	3.0	3.0 3.0	1	20.0	20.0 20.0	1	2.0	2.0 2.0	1	0.051	0.051 0.051
CRUCIF	3	33.3	25.5 41.2	3	7.7	-6.9 22.2	3	1.3	0.5 2.1	3	0.032	-0.011 0.074
DISSPI	4	9.5	8.4 10.6	4	117.5	38.5 196.5	4	17.5	8.4 26.6	4	0.045	0.014 0.077
EPHVIR	2	19.5	-2.4 41.4	2	500.0	-668.0 1668.0	2	1.0	1.0 1.0	2	0.083	-0.148 0.314
ERIGSP	12	5.9	4.1 7.7	12	75.0	29.7 120.3	12	3.5	1.7 5.3	12	0.029	0.010 0.048
ERISPP	7	5.3	3.5 7.1	7	67.3	-19.3 153.9	7	5.0	1.3 8.7	7	0.033	-0.007 0.073
EUPSPP	14	2.9	2.4 3.4	14	7.1	4.6 9.5	14	1.7	1.3 2.1	14	0.006	0.003 0.008
GUTSAR	17	13.1	10.3 15.8	17	53.1	23.5 82.8	17	1.4	1.1 1.6	17	0.085	-0.010 0.179
HILJAM	11	10.7	8.3 13.2	11	200.0	76.6 323.4	11	14.1	7.2 20.9	11	0.085	0.037 0.133
HYMENO	1	4.0	4.0 4.0	1	20.0	20.0 20.0	1	1.0	1.0 1.0	1	0.010	0.010 0.010

VEGETATION TYPE: 2 SITE: 1 (continued)

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I
JUNOST	4	114.0	-12.8 240.8	7	7228.6	2361.3 12095.8	4	1.0	1.0 1.0	4	12.135	2.174 22.096
LITTER	0	0.0	0.0 0.0	20	2957.5	917.1 4997.9	0	0.0	0.0 0.0	1	0.000	0.000 0.000
MULASP	1	6.0	6.0 6.0	1	130.0	130.0 130.0	1	2.0	2.0 2.0	1	0.059	0.059 0.059
ORYHYM	10	19.5	15.2 23.8	10	111.4	12.7 210.1	10	3.9	1.4 6.4	10	0.131	0.028 0.235
PHLOXP	4	2.5	1.9 3.1	4	2.5	1.9 3.1	4	1.0	1.0 1.0	4	0.003	0.001 0.004
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	2	0.016	-0.015 0.046
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	1	0.016	0.016 0.016
STICOM	1	18.0	18.0 18.0	1	40.0	40.0 40.0	1	3.0	3.0 3.0	1	0.013	0.013 0.013

VEGETATION TYPE: 2 SITE: 2

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTLUD	10	6.7	4.5 8.9	10	128.2	12.5 243.9	9	1.7	1.2 2.1	10	0.079	0.008 0.150
ARTNOV	4	25.0	2.1 47.9	4	587.5	339.9 835.1	3	3.0	3.0 3.0	4	0.192	0.142 0.241
ARTTRI	3	8.0	5.6 10.4	3	233.3	120.2 346.5	3	1.7	0.9 2.5	3	0.060	-0.006 0.125
ASTSPP	8	17.3	12.9 21.6	8	106.6	47.8 165.4	8	1.9	1.3 2.4	8	0.045	0.019 0.071
ATRCON	4	7.3	1.9 12.3	4	116.3	-18.0 250.5	4	2.5	-0.0 5.0	4	0.028	0.004 0.052
BARGRO	0	0.0	0.0 0.0	20	32571.3	28199.0 36943.5	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRVIS	5	23.8	6.3 41.3	5	636.0	183.0 1089.0	5	5.2	1.0 9.4	4	0.422	0.007 0.837
CHYGRE	1	26.0	26.0 26.0	1	690.0	690.0 690.0	1	2.0	2.0 2.0	1	0.262	0.262 0.262
COMPAL	1	10.0	10.0 10.0	1	3.0	3.0 3.0	1	1.0	1.0 1.0	1	0.010	0.010 0.010
CRUCIF	1	40.0	40.0 40.0	1	30.0	30.0 30.0	1	1.0	1.0 1.0	1	0.022	0.022 0.022

VEGETATION TYPE: 2 SITE: 2 (continued)

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
DISSPI	5	12.2	9.4 15.0	5	132.2	25.9 238.5	5	9.0	4.4 13.6	5	0.041	0.006 0.075
EPHVIR	1	27.0	27.0 27.0	1	220.0	220.0 220.0	1	1.0	1.0 1.0	1	0.062	0.062 0.062
ERIGSP	9	7.6	4.9 10.2	9	76.8	28.8 124.8	9	2.8	1.8 3.7	9	0.026	0.009 0.043
ERISPP	7	9.7	5.2 14.2	7	14.7	7.0 22.4	7	1.0	1.0 1.0	8	0.009	0.005 0.014
EUPSPP	10	4.6	3.0 6.1	10	25.6	2.8 48.4	10	2.6	1.2 4.0	10	0.008	0.004 0.012
GUTSAR	11	14.2	11.6 16.8	11	90.7	15.0 166.4	11	8.5	-2.2 19.3	11	0.050	-0.008 0.107
HILJAM	9	11.2	8.5 13.9	0	630.0	155.3 1104.7	9	62.4	17.9 107.0	9	10.345	-8.365 29.055
JUNOST	6	220.8	114.9 326.8	10	16599.0	9334.3 23863.7	4	1.0	1.0 1.0	3	23.062	-3.441 49.565
LITTER	0	0.0	0.0 0.0	20	6435.0	2146.1 10723.9	0	0.0	0.0 0.0	0	0.0	0.0 0.0
ORYHYM	4	20.3	10.5 30.0	4	650.8	-259.2 1560.7	4	7.8	-1.1 16.6	4	0.786	-0.186 1.757

VEGETATION TYPE: 2   SITE: 2 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
SITHYS	1	24.0	24.0 24.0	1	40.0	40.0 40.0	1	3.0	3.0 3.0	1	0.030	0.030 0.030
SOLRIG	2	11.5	1.3 21.7	2	62.0	-107.4 231.4	2	2.0	-0.9 4.9	2	0.032	-0.047 0.111
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	4	0.009	-0.010 0.028
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	3	0.010	-0.005 0.025

VEGETATION TYPE: 2   SITE: 3

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTLUD	5	5.6	3.3 8.0	5	37.4	1.3 73.5	4	1.2	0.7 1.8	5	0.013	-0.000 0.027
ARTNOV	14	10.3	7.8 12.8	15	650.7	282.2 1019.2	14	3.8	2.3 5.4	14	0.209	0.071 0.347
ARTTRI	1	23.0	23.0 23.0	1	3120.0	3120.0 3120.0	1	9.0	9.0 9.0	1	1.061	1.061 1.061
ASTSPP	6	19.5	10.3 28.7	6	208.3	42.4 374.2	6	1.8	0.9 2.8	6	0.192	0.041 0.342
ATRCON	3	15.0	-0.7 30.7	3	236.7	-38.5 511.9	3	1.3	0.5 2.1	3	0.162	-0.025 0.349
BARGRO	0	0.0	0.0 0.0	20	31831.7	27220.8 36442.5	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRGRE	1	16.0	16.0 16.0	1	200.0	200.0 200.0	1	5.0	5.0 5.0	1	0.045	0.045 0.045
CHRVIS	4	12.8	10.1 15.4	4	701.3	169.1 1233.4	4	9.0	1.4 16.6	4	0.297	0.075 0.518
CRUCIF	4	39.0	27.8 50.2	4	45.0	3.7 86.3	4	2.3	1.0 3.6	4	0.032	0.015 0.049
CYRGRM	0	0.0	0.0 0.0	2	17.5	-33.6 68.6	0	0.0	0.0 0.0	0	0.0	0.0 0.0

VEGETATION TYPE: 2 SITE: 3 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density ($individual/4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
DISSPI	2	11.5	10.0 13.0	2	1200.0	-2012.0 4412.0	2	61.0	-82.1 204.1	2	0.543	-0.963 2.048
EPHVIR	1	7.0	7.0 7.0	1	40.0	40.0 40.0	1	2.0	2.0 2.0	1	0.001	0.001 0.001
ERIGSP	8	4.1	2.7 5.6	8	39.1	16.5 61.7	8	4.3	1.7 6.8	8	0.018	0.006 0.030
ERISPP	3	8.7	1.2 16.1	3	37.0	-37.4 111.4	3	1.7	0.1 3.2	3	0.013	-0.013 0.039
EUPSPP	7	3.1	1.9 4.3	7	40.0	18.9 61.1	7	3.1	2.0 4.3	7	0.013	0.008 0.018
GUTSAR	10	14.7	9.8 19.6	10	397.2	63.0 731.4	10	3.9	1.3 6.5	10	0.177	0.020 0.334
HILJAM	2	8.0	2.2 13.8	2	165.0	-112.4 442.4	2	15.0	-5.4 35.4	2	0.022	-0.019 0.063
HYMENO	2	10.0	-1.7 21.7	2	82.5	-56.2 221.2	2	1.0	1.0 1.0	2	0.066	0.041 0.090
JUNOST	3	196.3	-2.4 395.1	10	12723.0	4460.1 20985.9	3	2.0	0.6 3.4	3	35.341	-7.062 77.745
LITTER	0	0.0	0.0 0.0	20	6962.9	2165.1 11760.7	0	0.0	0.0 0.0	0	0.0	0.0 0.0

VEGETATION TYPE: 2   SITE: 3 (Continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
OPUSPP	1	7.0	7.0 7.0	1	40.0	40.0 40.0	1	1.0	1.0 1.0	0	0.0	0.0 0.0
ORYHYM	9	19.6	14.1 25.0	9	51.3	15.4 87.3	9	2.9	1.6 4.2	9	0.031	0.013 0.049
POAFEN	1	37.0	37.0 37.0	1	2.0	2.0 2.0	1	1.0	1.0 1.0	1	0.002	0.002 0.002
SOLRIG	1	20.0	20.0 20.0	2	85.0	-104.8 274.8	2	1.5	0.0 3.0	2	0.070	0.004 0.135
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	7	0.018	0.011 0.026
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	2	0.010	0.008 0.011

VEGETATION TYPE: 2 SITE: 4

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
AGRSMI	1	50.0	50.0 50.0	1	4.0	4.0 4.0	1	1.0	1.0 1.0	1	0.020	0.020 0.020
ARTLUD	1	5.0	5.0 5.0	1	200.0	200.0 200.0	1	3.0	3.0 3.0	1	0.084	0.084 0.084
ARTNOV	17	9.6	8.5 10.8	17	849.6	606.3 1092.9	17	3.1	2.2 3.9	17	0.252	0.179 0.325
ATRCON	11	12.2	8.3 16.1	11	411.3	183.5 639.1	11	3.5	2.2 4.9	11	0.285	0.056 0.514
BARGRO	0	0.0	0.0 0.0	20	34679.4	31358.9 38000.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CRUCIF	6	29.8	15.0 44.6	6	33.5	4.5 62.5	6	1.7	0.8 2.5	6	0.107	0.033 0.181
ERIGSP	2	16.5	15.0 18.0	2	55.0	-18.0 128.0	2	1.0	1.0 1.0	2	0.037	-0.013 0.087
ERISPP	3	9.7	1.9 17.4	3	15.0	3.2 26.8	3	1.3	0.5 2.1	3	0.011	0.004 0.018
EUPSPP	11	3.9	3.0 4.8	11	69.8	46.3 93.3	11	3.8	1.5 6.2	11	0.022	0.012 0.032
GUTSAR	8	13.6	8.9 18.3	8	54.8	8.3 101.2	8	2.8	1.7 3.8	8	0.043	0.009 0.077

VEGETATION TYPE: 2   SITE: 4 (continued)

Species	Weight (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
HALGLO	1	12.0	12.0 12.0	1	100.0	100.0 100.0	1	20.0	20.0 20.0	1	0.118	0.118 0.118
HILJAM	1	10.0	10.0 10.0	1	80.0	80.0 80.0	1	9.0	9.0 9.0	1	0.032	0.032 0.032
JUNOST	4	105.3	9.0 201.5	12	6818.3	2402.4 11234.3	4	1.3	0.7 1.7	4	12.466	-0.272 25.205
LITTER	0	0.0	0.0 0.0	20	4176.5	757.3 7595.7	0	0.0	0.0 0.0	0	0.0	0.0 0.0
OPUSPP	1	4.0	4.0 4.0	1	90.0	90.0 90.0	1	1.0	1.0 1.0	0	0.0	0.0 0.0
ORYHYM	15	18.3	13.8 22.8	15	45.9	17.8 74.1	15	2.9	2.0 3.8	15	0.042	0.017 0.068
PDASAN	1	7.0	7.0 7.0	1	2.0	2.0 2.0	1	3.0	3.0 3.0	1	0.006	0.006 0.006
POASAN	1	10.0	10.0 10.0	1	20.0	20.0 20.0	1	1.0	1.0 1.0	1	0.007	0.007 0.007
SOLRIG	2	34.5	-25.4 94.4	2	35.0	-8.8 78.8	2	1.0	1.0 1.0	2	0.025	0.005 0.045
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	6	0.069	0.006 0.132
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	2	0.030	0.015 0.045

VEGETATION TYPE: 2 SITE: 5

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
AGRSMI	1	17.0	17.0 17.0	1	200.0	200.0 200.0	1	17.0	17.0 17.0	1	0.084	0.084 0.084
ARTLUD	5	4.2	3.4 5.0	5	21.0	5.2 36.7	5	1.2	0.8 1.6	4	0.010	0.004 0.016
ARTNOV	14	12.6	7.8 17.3	15	1086.1	499.9 1672.3	14	5.4	3.0 7.7	14	0.273	0.096 0.449
ASTSPP	1	3.0	3.0 3.0	1	20.0	20.0 20.0	1	1.0	1.0 1.0	1	0.016	0.016 0.016
ATRCON	10	14.1	10.7 17.5	10	82.0	40.3 123.7	10	1.4	1.0 1.8	10	0.073	0.015 0.130
BARGRO	0	0.0	0.0 0.0	20	36045.9	33765.7 38326.2	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRGRE	2	6.0	-5.7 17.7	2	25.0	-18.8 68.8	2	1.5	0.0 3.0	2	0.035	-0.011 0.080
CHRVIS	7	11.7	8.4 15.0	7	215.7	104.3 327.1	7	5.9	3.0 8.7	7	0.112	0.059 0.165
COMPAL	2	9.0	3.2 14.8	2	30.0	0.8 59.2	2	1.5	0.0 3.0	2	0.015	0.003 0.027
CRUCIF	7	12.0	4.0 20.0	7	17.9	13.8 21.9	7	8.3	-4.9 21.4	7	0.020	-0.005 0.044

VEGETATION TYPE: 2   SITE: 5 (continued)

Species	Height (cm)			Cover (cm2/4m2)			Density (individual/4m2)			Dry Matter (kg/4m2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
CYRGRM	0	0.0	0.0 0.0	2	2500.0	2500.0 2500.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0
ERIGSPP	9	9.2	3.9 14.5	9	83.3	33.3 133.3	9	11.3	-0.7 23.4	9	0.050	0.014 0.085
ERISPP	4	11.5	6.9 16.1	4	31.3	17.9 44.6	4	3.8	-0.8 8.3	4	0.008	-0.000 0.017
EUPSPP	6	2.7	1.0 4.3	6	17.5	10.5 24.5	6	2.2	0.9 3.4	6	0.006	0.002 0.010
FORSPI	1	4.0	4.0 4.0	1	80.0	80.0 80.0	1	1.0	1.0 1.0	1	0.003	0.003 0.003
GUTSAR	9	14.6	11.5 17.6	9	73.3	41.9 104.8	9	3.1	2.2 4.0	9	0.044	0.016 0.071
HILJAM	10	10.3	8.5 12.1	10	171.0	73.9 268.1	10	16.4	6.7 26.1	10	0.034	0.019 0.048
HYMENO	1	3.0	3.0 3.0	1	10.0	10.0 10.0	1	1.0	1.0 1.0	1	0.003	0.003 0.003
JUNOST	4	133.3	-3.1 269.6	8	4725.0	182.3 9267.7	4	1.0	1.0 1.0	2	1.916	-2.346 6.177
LITTER	0	0.0	0.0 0.0	20	3355.5	-89.2 6800.2	0	0.0	0.0 0.0	1	0.010	0.010 0.010

VEGETATION TYPE: 2   SITE: 5 (Continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ORYHYM	16	21.0	17.9 24.1	16	59.1	32.3 85.9	16	2.2	1.6 2.8	15	0.032	0.018 0.046
PHLOXP	2	9.5	-6.6 25.6	2	40.0	-18.4 98.4	2	1.0	1.0 1.0	1	0.020	0.020 0.020
POASAN	4	17.0	3.8 30.2	4	45.0	1.9 88.1	4	2.3	0.9 3.6	4	0.011	-0.007 0.029
SALKAL	1	6.0	6.0 6.0	1	10.0	10.0 10.0	1	1.0	1.0 1.0	1	0.001	0.001 0.001
SENECO	2	16.5	12.1 20.9	2	275.0	202.0 348.0	2	6.5	5.0 8.0	2	0.249	0.188 0.310
SITHYS	2	24.0	3.7 44.4	2	30.0	30.0 30.0	2	1.5	0.0 3.0	2	0.032	-0.023 0.087
SOLRIG	2	10.0	-13.4 33.4	2	72.5	-66.2 211.2	2	3.5	2.0 5.0	2	0.043	0.014 0.072
SPHEAR	1	10.0	10.0 10.0	1	20.0	20.0 20.0	1	1.0	1.0 1.0	1	0.007	0.007 0.007
STALIT (01)	0	0.0	0.0 0.0	1	50.0	50.0 50.0	0	0.0	0.0 0.0	4	0.013	0.002 0.023
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	2	0.010	-0.016 0.036
TETSPI	1	30.0	30.0 30.0	1	150.0	150.0 150.0	1	1.0	1.0 1.0	1	0.117	0.117 0.117

Table 5. Mean and 90 percent confidence interval for height, cover, density, and dry matter production based on the number of plots observed to contain the subject species from five sampling sites in the Saltbush vegetation type.

VEGETATION TYPE: 3 SITE: 1

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density ($individual/4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTLUD	1	17.0	17.0 17.0	1	110.0	110.0 110.0	1	1.0	1.0 1.0	1	0.015	0.015 0.015
ARTTRI	9	46.0	36.9 55.1	9	5106.7	3068.8 7144.5	9	5.1	2.8 7.5	9	1.177	0.693 1.661
ASTSPP	12	20.1	17.1 23.1	12	119.8	55.4 184.1	12	5.7	2.7 8.6	12	0.053	0.017 0.090
ATRCON	18	20.7	17.4 24.0	19	2361.7	1622.7 3100.6	18	5.6	2.9 8.4	18	0.776	0.520 1.033
BARGRO	0	0.0	0.0 0.0	20	34300.2	33022.6 35577.9	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CYRGRM	0	0.0	0.0 0.0	1	1050.0	1050.0 1050.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0
ERIGSP	1	13.0	13.0 13.0	1	810.0	810.0 810.0	1	3.0	3.0 3.0	1	0.010	0.010 0.010
ERISPP	1	25.0	25.0 25.0	1	1400.0	1400.0 1400.0	1	20.0	20.0 20.0	1	0.041	0.041 0.041
GUTSAR	5	20.2	9.0 31.4	5	388.0	-183.1 959.0	5	6.4	0.0 12.8	5	0.213	-0.036 0.462
HALGLO	6	3.3	1.2 5.4	6	84.7	13.2 156.1	6	20.3	-1.9 42.6	6	0.045	-0.002 0.093

VEGETATION TYPE: 3 SITE: 1 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
HYMENO	1	5.0	5.0 5.0	1	45.0	45.0 45.0	1	1.0	1.0 1.0	1	0.002	0.002 0.002
LITTER	0	0.0	0.0 0.0	20	26.7	14.3 39.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0
OPUSPP	1	7.0	7.0 7.0	1	200.0	200.0 200.0	1	1.0	1.0 1.0	0	0.0	0.0 0.0
ORYHYM	3	21.7	15.2 28.1	3	83.3	-77.6 244.3	3	2.0	-0.4 4.4	3	0.032	-0.023 0.087
SALKAL	7	4.6	3.3 5.9	7	722.0	-163.6 1607.6	7	172.7	-19.9 365.3	7	0.214	-0.033 0.460
SARVER	2	43.0	5.0 80.9	3	2250.0	-1990.3 6490.3	2	2.0	-0.9 4.9	3	0.824	-0.620 2.267
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	1	2.0	2.0 2.0	15	0.019	0.010 0.027
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	8	0.022	0.008 0.036
TETSPI	2	20.5	-1.4 42.4	2	1520.5	-2799.6 5840.6	2	1.5	0.0 3.0	2	0.071	-0.074 0.215

VEGETATION TYPE: 3 TYPE: 2

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density ($individual/4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTNOV	14	29.5	24.6 34.4	15	1557.0	932.6 2190.4	14	4.0	2.5 5.6	14	0.797	0.260 1.333
ARTTRI	1	30.0	30.0 30.0	1	16960.0	16960.0 16960.0	1	4.0	4.0 4.0	1	2.035	2.035 2.035
ASTSPP	14	17.1	14.8 19.3	14	58.3	41.5 75.0	14	3.6	2.7 4.6	14	0.025	0.013 0.037
ATRCON	17	20.6	17.6 23.7	17	1392.9	938.8 1847.1	17	5.5	4.4 6.6	17	0.580	0.281 0.878
BARGRO	0	0.0	0.0 0.0	20	35256.9	33528.2 36985.7	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CYRGRM	0	0.0	0.0	6	750.8	-250.1 1751.8	0	0.0	0.0 0.0	0	0.0	0.0 0.0
ERIGSP	2	10.0	10.0 10.0	2	30.0	-28.4 88.4	2	1.0	1.0 1.0	2	0.008	0.008 0.008
EUPSPP	1	1.0	1.0 1.0	1	25.0	25.0 25.0	1	1.0	1.0 1.0	1	0.011	0.011 0.011
EURLAN	3	11.0	7.4 14.6	3	63.3	-15.1 141.8	3	1.7	0.1 3.2	3	0.022	-0.020 0.063
GUTSAR	8	15.3	12.6 17.9	8	103.3	32.3 174.2	7	4.9	3.2 6.4	8	0.049	-0.004 0.101

VEGETATION TYPE: 3 SITE: 2 (continued)

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
HALGLO	7	4.4	3.2 5.7	7	187.9	117.8 257.9	7	100.4	9.9 190.9	7	0.029	0.009 0.050
KOCVES	2	24.5	20.1 28.9	2	555.0	-481.6 1591.6	2	2.5	1.0 4.0	2	0.158	0.150 0.165
LITTER	0	0.0	0.0 0.0	20	629.5	282.8 976.2	0	0.0	0.0 0.0	0	0.0	0.0 0.0
OPUSPP	3	6.3	4.3 8.4	3	186.7	-77.2 450.6	3	6.0	-3.5 15.5	0	0.0	0.0 0.0
ORYHYM	2	26.5	10.4 42.6	2	27.0	-40.2 94.2	2	1.5	0.0 3.0	2	0.005	0.003 0.006
SALKAL	1	10.0	10.0 10.0	1	300.0	300.0 300.0	1	40.0	40.0 40.0	1	0.078	0.078 0.078
SPHEAR	4	14.6	10.8 18.7	4	70.0	42.5 97.5	4	3.8	0.6 6.9	4	0.030	0.004 0.056
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	18	0.007	0.005 0.010
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	16	0.010	0.007 0.013
STICOM	1	13.0	13.0 13.0	1	50.0	50.0 50.0	1	1.0	1.0 1.0	1	0.072	0.072 0.072
TETSPI	6	30.5	23.4 37.6	6	481.7	-41.0 1004.3	6	2.7	0.8 4.5	6	0.104	0.030 0.177

VEGETATION TYPE: 3 SITE: 3

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTNOV	10	24.3	19.6 29.0	10	1267.0	889.4 1644.6	10	5.2	3.1 7.3	10	0.376	0.261 0.491
ASTSPP	1	25.0	25.0 25.0	1	20.0	20.0 20.0	1	1.0	1.0 1.0	1	0.009	0.009 0.009
ATRCON	18	19.5	17.3 21.7	18	603.7	437.8 770.0	18	6.3	4.2 8.4	18	0.304	0.205 0.403
BARGRO	0	0.0	0.0 0.0	20	38373.5	38079.5 38667.4	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRVIS	2	23.5	-1.3 48.3	2	150.0	4.0 296.0	2	1.0	1.0	2	0.045	0.007 0.083
ERIGSP	2	10.0	-7.5 27.5	2	250.0	-450.8 950.8	2	14.0	-21.0 49.0	2	0.075	-0.137 0.286
ERISPP	1	20.0	20.0 20.0	1	260.0	260.0 260.0	1	7.0	7.0 7.0	1	0.039	0.039 0.039
EURLAN	1	15.0	15.0 15.0	1	100.0	100.0 100.0	1	2.0	2.0 2.0	1	0.030	0.030 0.030
GUTSAR	6	12.3	9.1 15.6	6	63.3	4.3 122.4	6	16.8	4.3 29.3	6	0.043	-0.005 0.092
HALGLO	9	4.1	3.3 4.9	9	30.6	12.8 48.3	9	19.9	12.8 48.3	9	0.010	0.007 0.012

VEGETATION TYPE: 3   SITE: 3 (continued)

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
LITTER	0	0.0	0.0 0.0	20	160.8	61.5 259.9	0	0.0	0.0 0.0	0	0.0	0.0 0.0
ORYHYM	5	15.0	10.5 19.5	5	89.0	23.1 154.9	5	2.8	0.6 5.0	5	0.026	0.013 0.039
SALKAL	2	5.0	5.0 5.0	2	300.0	-284.0 884.0	2	70.0	40.8 99.2	2	0.019	-0.013 0.051
SARVER	1	45.0	45.0 45.0	2	1150.0	-1332.0 3632.0	1	3.0	3.0 3.0	1	0.220	0.220 0.220
SITHYS	1	20.0	20.0 20.0	1	20.0	20.0 20.0	1	1.0	1.0 1.0	1	0.011	0.011 0.011
SPHEAR	1	8.0	8.0 8.0	1	10.0	10.0 10.0	1	1.0	1.0 1.0	1	0.002	0.002 0.002
TETSPI	2	22.5	-28.6 73.6	3	140.0	-55.9 335.9	2	1.0	1.0 1.0	2	0.009	-0.014 0.032

VEGETATION TYPE: 3 SITE: 4

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTTRI	19	20.3	17.9 22.7	19	2055.3	1543.5 2567.3	19	3.5	2.8 4.3	19	0.294	0.206 0.382
ASTSPP	6	20.5	13.8 27.2	6	20.3	6.5 34.2	6	1.3	0.9 1.7	6	0.011	0.000 0.022
ATRCON	18	16.9	14.0 19.8	18	723.9	458.9 988.9	17	3.7	2.7 4.7	18	0.257	0.132 0.382
BARGRO	0	0.0	0.0 0.0	20	36308.2	35752.4 36864.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRVIS	6	34.3	25.3 43.4	7	655.0	268.7 1041.3	6	1.7	1.0 2.3	6	0.164	0.014 0.314
ERIGSP	8	11.1	8.0 14.3	8	86.5	33.6 139.4	8	2.8	1.1 4.4	8	0.029	0.015 0.044
ERISPP	1	8.0	8.0 8.0	1	35.0	35.0 35.0	1	5.0	5.0 5.0	1	0.024	0.024 0.024
EUPSPP	1	5.0	5.0 5.0	1	28.0	28.0 28.0	1	1.0	1.0 1.0	1	0.015	0.015 0.015
GUTSAR	7	21.7	16.2 27.1	7	153.6	46.6 260.6	7	3.1	2.4 3.9	7	0.078	0.019 0.138
HILJAM	5	13.4	4.6 22.2	5	1574.0	-684.0 3832.0	4	33.3	-4.0 70.5	4	0.244	-0.102 0.589

VEGETATION TYPE: 3   SITE: 4 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
OPUSPP	6	5.2	4.8 5.5	6	170.0	46.3 293.7	6	1.1	0.8 1.5	0	0.0	0.0 0.0
ORYHYM	3	31.7	17.5 45.8	3	133.3	-0.7 267.4	3	1.7	0.9 2.5	2	0.149	-0.175 0.473
SARVER	3	44.3	5.0 83.7	3	1455.3	-1011.9 3922.6	3	1.3	0.5 2.1	3	0.364	-0.220 0.948
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	2	0.018	-0.014 0.050

VEGETATION TYPE: 3   SITE: 5

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
ARTNOV	3	33.3	25.5 41.1	3	2550.0	-12.3 5112.3	3	2.0	-0.4 4.4	3	0.345	-0.125 0.815
ARTTRI	11	22.8	17.4 28.2	11	1380.1	858.9 1901.3	11	2.5	1.7 3.4	11	0.178	0.104 0.253
ASTSPP	6	22.5	14.3 30.7	6	36.7	20.3 53.0	6	2.3	1.3 3.4	6	0.023	0.006 0.040
ATRCON	17	17.3	15.2 19.4	18	1170.4	811.6 1529.2	18	3.3	2.5 4.2	18	0.386	0.260 0.511
BARGRO	0	0.0	0.0 0.0	20	36340.6	35638.6 37042.9	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CRUCIF	1	30.0	30.0 30.0	1	20.0	20.0 20.0	1	1.0	1.0 1.0	1	0.009	0.009 0.009
GUTSAR	10	16.9	13.0 20.8	10	135.5	74.3 196.7	10	3.9	2.3 5.4	10	0.058	0.030 0.086
HALGLO	2	9.0	6.1 11.9	2	250.0	-42.0 542.0	2	42.5	20.6 64.4	2	0.097	0.091 0.103
HILJAM	5	10.6	8.3 13.0	5	1240.0	-145.2 2625.2	5	46.0	3.3 88.7	5	0.364	-0.077 0.804
KOCVES	1	35.0	35.0 35.0	1	200.0	200.0 200.0	1	1.0	1.0 1.0	1	0.114	0.114 0.114

VEGETATION TYPE: 3   SITE: 5 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
LITTER	0	0.0	0.0 0.0	20	588.5	-56.2 1233.2	0	0.0	0.0 0.0	0	0.0	0.0 0.0
OPUSPP	4	5.0	5.0 5.0	4	182.5	63.0 301.9	4	1.5	0.9 2.1	0	0.0	0.0 0.0
ORYHYM	5	20.0	14.5 25.5	5	210.0	7.5 412.5	5	4.6	1.8 7.4	3	0.166	-0.104 0.437
SARVER	1	25.0	25.0 25.0	1	370.0	370.0 370.0	1	2.0	2.0 2.0	1	0.063	0.063 0.063
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	1	0.032	0.032 0.032
STALIT (02)	1	20.0	20.0 20.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	7	0.050	0.023 0.076
TETSPI	4	22.5	14.0 30.9	4	1217.8	-204.8 2640.3	3	2.7	0.6 4.7	4	0.718	-0.358 1.794

Table 6. Mean and 90 percent confidence interval for height, cover, density, and dry matter production based on the number of plots observed to contain the subject species from five sampling sites in the Riparian vegetation type.

VEGETATION TYPE: 4 SITE: 1

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
AGRSMI	4	71.3	56.9 85.6	6	335.5	-183.4 854.4	6	35.5	8.5 62.4	6	0.071	-0.025 0.166
ARTLUD	1	85.0	85.0 85.0	1	5281.0	5281.0 5281.0	1	1.0	1.0 1.0	1	4.435	4.435 4.435
ATRPAT	1	86.0	86.0 86.0	1	770.0	770.0 770.0	1	1.0	1.0 1.0	1	0.154	0.154 0.154
BARGRO	0	0.0	0.0 0.0	20	5492.3	1554.7 9429.8	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CENPAU	0	0.0	0.0 0.0	1	40.0	40.0 40.0	1	216.0	216.0 216.0	1	0.013	0.013 0.013
CHRNAU	1	95.0	95.0 95.0	1	21000.0	21000.0 21000.0	1	1.0	1.0 1.0	1	25.410	25.410 25.410
CHRVIS	10	89.5	70.1 108.9	11	1971.1	974.6 2967.6	10	11.3	5.9 16.7	10	3.323	-1.677 8.322
CIRSPP	0	0.0	0.0 0.0	1	119.0	119.0 119.0	1	14.0	14.0 14.0	1	0.008	0.008 0.008
DISSPI	8	20.3	15.6 24.9	8	91.4	22.9 159.8	7	18.9	5.9 31.8	8	0.018	0.002 0.033
EQUARV	2	65.0	27.0 102.9	2	425.0	-86.0 936.0	2	729.5	-57.4 1516.4	2	0.138	-0.074 0.349

VEGETATION TYPE: 4 SITE: 1 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
IVAAXI	4	16.8	9.4 24.1	4	162.5	-64.4 389.4	4	12.0	-0.6 24.6	4	0.020	-0.003 0.043
JUNBAL	1	64.0	64.0 64.0	1	480.0	480.0 480.0	1	464.0	464.0 464.0	1	0.024	0.024 0.024
KOCSCO	1	15.0	15.0 15.0	1	9.0	9.0 9.0	1	195.0	195.0 195.0	1	0.009	0.009 0.009
LITTER	0	0.0	0.0 0.0	20	29036.8	24871.5 33201.9	0	0.0	0.0 0.0	0	0.0	0.0 0.0
PHRCOM	1	84.0	84.0 84.0	1	210.0	210.0 210.0	1	1.0	1.0 1.0	1	0.221	0.221 0.221
POPFRE	4	1315.3	-99.4 2729.9	5	24576.0	5541.4 43610.6	4	3.8	-2.1 9.6	2	0.557	-0.564 1.678
SALEXI	1	47.0	47.0 47.0	1	160.0	160.0 160.0	1	8.0	8.0 8.0	1	0.016	0.016 0.016
SALKAL	4	8.8	7.7 9.8	4	920.0	-878.3 2781.3	4	66.0	-47.6 179.6	4	0.028	-0.013 0.070
SARVER	1	101.0	101.0 101.0	1	13273.0	13273.0 13273.0	1	1.0	1.0 1.0	1	3.583	3.583 3.583
SISALT	2	63.5	-54.8 181.8	2	70.0	-105.2 245.2	2	2.5	1.0 1.0	2	0.047	-0.084 0.178

VEGETATION TYPE: 4 SITE: 1 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	13	0.017	0.010 0.025
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	9	0.015	0.004 0.027
TAMPEN	3	319.3	183.2 455.4	4	11183.3	-324.2 22690.7	4	3.8	0.5 7.1	4	7.191	-1.490 15.871

VEGETATION TYPE: 4 SITE: 2

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
AGRSMI	4	67.0	54.7	4	377.5	91.4 663.6	4	13.3	-1.7 28.2	4	0.191	0.063 0.319
BARGRO	0	0.0	0.0 0.0	20	813.3	165.1 1461.4	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRNAU	4	92.5	52.9 132.0	5	1672.0	375.7 2968.3	4	2.0	0.5 3.5	4	0.491	-0.076 1.058
CHRVIS	10	68.2	52.1 84.3	10	947.0	333.7 1560.4	10	5.6	2.0 9.2	10	0.325	0.014 0.636
DISSPI	8	16.3	13.0 19.5	8	1443.4	-258.5 3145.2	8	65.3	15.4 115.1	8	0.339	-0.124 0.802
LITTER	0	0.0	0.0 0.0	20	37266.4	36220.7 38312.1	0	0.0	0.0 0.0	0	0.0	0.0 0.0
POPFRE	0	0.0	0.0 0.0	1	30000.0	30000.0 30000.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0
SARVER	1	117.0	117.0 117.0	3	2663.3	302.3 5024.3	2	1.0	1.0 1.0	2	0.462	0.339 0.585
SPHEAR	2	8.0	-6.6 22.6	2	12.5	5.2 19.8	2	2.0	-0.9 4.9	2	0.003	0.001 0.004
SPOAIR	2	33.0	-28.3 94.3	2	500.0	383.2 616.8	2	2.5	1.0 4.0	2	0.235	-0.371 0.840

VEGETATION TYPE: 4 SITE: 2 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density ($individual/4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	18	0.014	0.011 0.018
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	11	0.009	0.005 0.013

VEGETATION TYPE: 4   SITE: 3

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
AGRSMI	10	61.7	50.8 72.6	10	774.2	272.9 1275.5	10	30.6	10.2 51.0	10	0.272	0.144 0.401
BARGRO	0	0.0	0.0 0.0	20	948.8	-499.2 2396.7	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRNAU	2	83.5	47.0 120.0	4	362.5	-1.2 726.2	2	2.0	-0.9 4.9	2	0.206	-0.289 0.700
CHRVIS	4	65.8	29.1 102.4	4	160.0	52.3 267.6	4	1.0	1.0 1.0	4	0.056	0.034 0.078
CLELIG	1	24.0	24.0 24.0	1	20.0	20.0 20.0	1	1.0	1.0 1.0	1	0.018	0.018 0.018
DISSPI	13	19.1	14.6 23.6	13	2428.5	-230.1 5087.0	13	99.2	37.4 160.9	13	0.691	-0.207 1.589
EQUARV	4	28.3	14.6 41.9	4	42.3	14.4 70.0	4	42.3	14.5 70.0	4	0.007	0.003 0.010
IVAAXI	5	24.4	16.2 32.6	5	87.0	36.7 137.3	5	9.0	-0.5 18.5	5	0.012	0.001 0.023
LITTER	0	0.0	0.0 0.0	20	35524.9	33010.7 38039.2	0	0.0	0.0 0.0	0	0.0	0.0 0.0
MELOFF	1	46.0	46.0 46.0	1	110.0	110.0 110.0	1	18.0	18.0 18.0	1	0.008	0.008 0.008
POAFEN	3	56.0	51.9 60.1	3	130.0	-93.6 353.6	3	31.0	-36.1 98.1	3	0.015	0.006 0.024

VEGETATION TYPE: 4 SITE: 3 (continued)

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I
POPFRE	5	2916.6	588.1 5245.1	13	21161.5	14253.8 28069.2	5	1.6	0.8 2.4	4	6.117	-1.105 13.459
SPOAIR	4	31.5	-0.7 63.7	5	184.0	27.7 340.3	4	2.3	0.2 4.3	4	0.110	0.025 0.195
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	9	0.026	0.011 0.041
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	7	0.026	0.001 0.050
TAMPEN	1	309.0	309.0 309.0	3	4520.0	-2515.0 11555.6	1	9.0	9.0 9.0	1	17.646	17.646 17.646

VEGETATION TYPE: 4   SITE: 4

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter (kg/$4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
AGRSMI	3	9.7	6.5 12.8	3	37.0	-17.3 91.3	3	13.7	0.8 26.6	3	0.001	0.001 0.002
AMBPSI	2	13.0	7.2 18.8	2	50.0	-8.4 108.4	2	5.5	1.1 9.9	2	0.005	-0.006 0.015
ARTTRI	5	55.6	34.1 77.1	5	866.0	-272.9 2004.9	5	1.4	0.9 1.9	5	0.418	-0.232 1.069
BARGRO	0	0.0	0.0 0.0	20	15260.6	9512.6 21008.5	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRNAU	7	69.7	39.0 100.4	7	1367.1	-864.1 3598.4	7	1.9	1.4 2.4	7	0.653	-0.494 1.800
CHRNAU (01)	1	213.0	213.0 213.0	1	13273.0	13273.0 13273.0	1	1.0	1.0 1.0	1	9.422	9.422 9.422
CHRVIS	7	70.9	49.4 92.3	7	703.0	-305.8 1711.8	7	5.1	2.7 7.6	7	0.331	-0.216 0.878
CYRGRM	0	0.0	0.0 0.0	1	1250.0	1250.0 1250.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0
DISSPI	3	25.0	17.4 32.6	3	93.3	-32.9 219.6	3	11.3	0.4 22.3	3	0.010	0.003 0.018
IVAAXI	2	12.5	-6.5 31.5	2	25.0	-4.2 54.2	2	4.5	-2.8 11.8	2	0.003	-0.003 0.009
LITTER	0	0.0	0.0 0.0	19	19040.4	13619.8 24460.9	0	0.0	0.0 0.0	0	0.0	0.0 0.0

VEGETATION TYPE: 4 SITE: 4 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density (individual/$4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
MELOFF	1	10.0	10.0 10.0	1	110.0	110.0 110.0	1	22.0	22.0 22.0	1	0.018	0.018 0.018
MULASP	1	45.0	45.0 45.0	1	15.0	15.0 15.0	1	2.0	2.0 2.0	1	0.002	0.002 0.002
POAFEN	1	15.0	15.0 15.0	1	128.0	128.0 128.0	1	128.0	128.0 120.0	1	0.056	0.056 0.056
POPFRE	2	1700.0	1408.0 1992.0	3	28666.7	1999.3 55334.0	2	4.5	3.0 6.0	2	77.600	40.224 114.976
RHUTRI	1	15.0	15.0 15.0	11	55.0	55.0 55.0	1	3.0	3.0 3.0	1	0.004	0.004 0.004
SALEXI	10	170.0	63.2 276.8	11	1326.5	273.9 2379.0	10	1.8	1.3 2.3	10	0.449	-0.029 0.926
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	3	0.176	-0.082 0.433
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	6	0.023	0.004 0.043
TAMPEN	7	193.3	84.9 301.7	8	5806.0	-337.3 11949.3	7	5.4	2.1 8.8	7	3.274	0.217 6.332

VEGETATION TYPE: 4 SITE: 5

Species	Height (cm)			Cover (cm^2/4m^2)			Density (individual/4m^2)			Dry Matter (kg/4m^2)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
AMBPSI	3	23.7	16.2 31.1	3	183.3	41.9 324.7	3	11.3	-0.8 23.6	3	0.066	-0.026 0.159
ARTTRI	4	91.8	82.5 100.9	4	4425.0	571.3 8278.7	4	2.3	0.2 4.3	4	7.422	-1.142 15.987
ASTSPP	1	30.0	30.0 30.0	1	10.0	10.0 10.0	1	1.0	1.0 1.0	1	0.019	0.019 0.019
BARGRO	0	0.0	0.0 0.0	20	21756.2	17906.1 25606.2	0	0.0	0.0 0.0	0	0.0	0.0 0.0
CHRNAU	7	84.4	61.0 107.8	7	1351.4	659.5 2043.3	7	1.9	0.2 3.5	7	1.148	0.431 1.865
CHRVIS	13	103.5	84.6 122.6	13	7281.5	3419.7 11143.3	13	4.7	3.4 6.0	13	3.566	1.830 5.302
DISSPI	8	18.9	15.8 21.9	8	2275.0	1115.1 3434.8	8	125.1	15.5 234.7	8	0.568	0.178 0.958
GUTSAR	3	45.0	22.4 67.6	3	8433.3	-314.4 17181.0	3	2.3	0.3 4.4	3	8.680	-5.355 22.715
KOCSCO	3	61.7	3.9 119.4	3	1433.3	-421.1 3287.7	3	108.7	-116.5 333.8	3	0.896	0.501 1.291
LITTER	0	0.0	0.0 0.0	20	2998.1	1491.1 4505.2	0	0.0	0.0 0.0	0	0.0	0.0 0.0
OPUSPP	0	0.0	0.0 0.0	1	50.0	50.0 50.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0

VEGETATION TYPE: 4   SITE: 5 (continued)

Species	Height (cm)			Cover ($cm^2/4m^2$)			Density ($individual/4m^2$)			Dry Matter ($kg/4m^2$)		
	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.	NUM OBS	MEAN	90% C.I.
SALKAL	11	22.4	17.0 27.8	11	875.9	333.4 1418.4	11	50.8	-13.3 114.9	11	0.232	0.075 0.389
SARVER	5	547.0	-208.2 1302.2	6	6508.3	1600.5 11416.1	5	2.0	1.1 2.9	5	9.819	-0.090 19.728
STALIT (01)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	3	0.024	-0.018 0.066
STALIT (02)	0	0.0	0.0 0.0	0	0.0	0.0 0.0	0	0.0	0.0 0.0	3	0.007	-0.001 0.015
TAMPEN	2	1165.0	-1565.2 3895.2	3	28666.7	6537.9 50795.4	2	1.0	1.0 1.0	2	62.200	-3.792 128.192

Table 7. Mean, 90 percent confidence interval, and estimated sample size for height, cover, density and dry matter production based on the number of $4m^2$ plots observed to contain the subject species in the Sagebrush - greasewood Vegetation type.

VEGETATION TYPE: 1

Species	Height (cm)				Cover (cm^2/4m^2)				Density (individual/4m^2)				Dry Matter (kg/4m^2)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMP SIZ
AMBPSI	2	26.0	8.4 43.5	4.6	2	30.0	30.0 30.0	0.0	2	2.0	-0.9 4.9	21.6	2	0.085	0.044 0.126	2
ARTNOV	30	28.2	24.5 31.9	7.9	30	684.2	443.4 925.0	55.9	30	3.5	2.5 4.5	36.4	30	0.302	0.168 0.436	88
ARTTRI	34	33.2	29.9 36.6	5.6	34	1088.1	876.9 1299.4	20.5	34	4.2	3.6 4.9	13.8	34	0.414	0.302 0.526	39
ASTSPP	1	4.0	4.0 4.0	0.0	1	15.0	15.0 15.0	0.0	1	3.0	3.0 3.0	0.0	1	0.003	0.003 0.003	0
ATRCON	26	22.1	18.7 25.5	9.1	26	213.9	145.0 282.9	40.2	26	2.4	1.6 3.2	44.9	26	0.134	0.084 0.185	54
BARGRO	0	0.0	0.0 0.0	0.0	100	33718.5	32519.5 35147.2	2.0	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0
CHRVIS	21	32.9	29.6 36.2	3.1	22	561.6	368.1 755.1	38.3	21	2.0	1.5 2.5	20.6	21	0.179	0.101 0.258	58
CRUCIF	12	28.3	21.6 34.9	9.0	12	12.2	5.3 19.0	52.1	12	1.5	0.9 2.1	26.2	12	0.025	0.017 0.032	15
CYRGRM	0	0.0	0.0 0.0	0.0	16	833.1	-236.9 1903.1	374.7	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0
ERIGSP	2	6.5	-6.6 19.6	41.5	2	62.0	-107.4 231.4	75.8	2	2.0	-0.9 4.9	21.6	2	0.006	0.003 0.009	2
ERISPP	7	17.0	10.3 23.7	13.1	7	17.9	4.4 31.4	48.3	7	1.7	0.6 2.8	33.0	7	0.010	0.003 0.017	40

VEGETATION TYPE: 1 (continued)

Species	Height (cm)				Cover (cm2/4m2)				Density (individual/4m2)				Dry Matter (kg/4m2)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE
EURLAN	6	24.0	13.7 34.3	12.8	6	95.0	16.2 173.8	47.3	6	1.0	1.0 1.0	0.0	6	0.057	0.012 0.103	43.8
GRASPI	19	38.1	33.0 43.1	4.8	19	1073.9	627.2 1520.7	47.6	18	1.4	1.1 1.8	12.7	19	0.168	0.077 0.260	81.6
GUTSAR	24	23.0	20.3 25.8	4.9	24	117.8	48.7 186.9	122.0	24	3.5	1.6 5.4	106.3	24	0.040	0.021 0.059	78.9
HILJAM	11	10.0	8.4 11.6	3.6	11	105.0	27.2 182.8	81.1	11	4.6	2.9 6.4	20.6	11	0.020	0.011 0.030	34.3
KOCVES	5	39.4	27.0 51.8	5.3	5	198.0	0.8 395.2	52.9	4	4.3	0.0 8.5	37.3	5	0.106	0.032 0.179	25.2
LITTER	0	0.0	0.0 0.0	0.0	99	4247.0	3038.3 5455.7	128.3	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0
OPUSPP	6	5.2	4.0 6.3	3.5	7	46.0	15.0 77.0	38.3	6	1.0	1.0 1.0	0.0	0	0.0	0.0 0.0	0.0
CRYHYM	44	24.9	22.7 27.1	5.4	44	188.5	120.9 256.2	90.6	44	2.7	2.2 3.3	28.2	44	0.258	0.144 0.372	138.2
SALKAL	33	15.8	12.9 18.8	18.6	34	1360.9	907.7 1814.1	60.3	34	114.8	81.0 148.6	47.1	34	1.706	0.453 2.949	288.1
SARVER	31	54.2	46.2 62.2	10.8	37	1366.7	739.3 1994.1	124.8	30	2.4	1.8 3.0	32.4	31	2.085	0.724 3.446	211.4
SITHYS	1	15.0	15.0 15.0	0.0	1	16.0	16.0 16.0	0.0	1	1.0	1.0 1.0	0.0	1	0.025	0.025 0.025	0.0

VEGETATION TYPE: 1 (continued)

pecies	Height (cm)				Cover (cm^2/4m^2)				Density (individual/4m^2)				Dry Matter (kg/4m^2)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE
PHEAR	5	13.6	10.9 16.3	2.1	5	21.0	5.3 36.7	29.9	5	1.4	0.6 2.2	17.7	5	0.026	-0.000 0.052	53.7
POCRY	1	25.0	25.0 25.0	0.0	1	155.0	155.0 155.0	0.0	1	4.0	4.0 4.0	0.0	1	0.338	0.338 0.338	0.0
TALIT (01)	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	36	0.007	0.005 0.008	43.1
TALIT (02)	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	45	0.010	0.007 0.013	74.5
TICOM	47	17.6	16.0 19.1	5.6	47	167.9	127.1 208.6	44.3	47	11.5	9.4 13.6	24.8	46	0.069	0.054 0.084	35.8
ETSPI	7	35.9	29.3 42.4	2.8	7	354.3	64.7 643.8	56.4	7	1.3	0.9 1.6	6.2	7	0.222	-0.062 0.506	137.6

Table 8. Mean, 90 percent confidence interval, and estimated sample size for height, cover, density and dry matter production based on the number of $4m^2$ plots observed to contain the subject species in the Juniper vegetation type.

VEGETATION TYPE: 2

Species	Height (cm)				Cover ($cm^2/4m^2$)				Density (individual/$4m^2$)				Dry Matter ($kg/4m^2$)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAM SI
AGRSMI	3	30.0	6.1 53.9	14.9	3	78.0	-66.6 222.6	80.6	3	6.6	-5.5 18.8	78.2	3	0.051	0.008 0.095	1
ARTLUD	28	6.1	5.1 7.0	9.8	28	98.4	54.5 142.2	83.4	26	1.7	1.4 2.1	13.4	27	0.072	0.035 0.109	10
ARTNOV	56	11.5	9.6 13.4	24.8	60	763.8	581.4 946.2	54.7	55	3.8	3.1 4.6	32.8	56	0.217	0.160 0.274	6
ARTTRI	5	12.8	6.4 19.1	13.0	5	764.2	-427.2 1955.6	129.6	5	3.0	-0.1 6.1	55.3	5	0.249	-0.162 0.660	14
ASTSPP	20	16.3	13.1 19.5	11.2	20	128.4	75.1 181.6	50.1	20	1.9	1.5 2.2	11.0	20	0.091	0.044 0.139	7
ATRCON	29	12.2	10.0 14.5	14.2	29	225.5	128.9 322.0	79.7	29	2.3	1.7 3.0	32.2	29	0.154	0.065 0.244	14
BARGRO	0	0.0	0.0 0.0	0.0	100	34278.2	32796.1 25760.3	3.0	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	
BOUGRA	1	6.0	6.0 6.0	0.0	1	130.0	130.0 130.0	0.0	1	4.0	4.0 4.0	0.0	1	0.046	0.046 0.046	
CHRGRE	5	10.4	5.4 15.4	12.5	5	50.8	-25.7 127.3	120.8	5	2.2	0.7 3.7	24.1	5	0.037	0.026 0.048	4
CHRVIS	29	13.2	10.2 16.3	22.7	29	382.9	271.1 494.8	37.1	29	5.9	4.3 7.4	30.8	29	0.218	0.137 0.298	59
CHYGRE	2	14.5	-19.1 48.1	54.5	2	355.0	-623.2 1333.2	77.1	2	2.0	2.0 2.0	0.0	2	0.157	-0.152 0.464	39

VEGETATION TYPE: 2 (continued)

Species	Height (cm)				Cover ($cm^2/4m^2$)				Density (individual/$4m^2$)				Dry Matter ($kg/4m^2$)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE
COMPAL	3	9.3	6.5	2.2	3	21.0	-4.2 46.2	33.7	3	1.3	0.5 2.1	8.1	3	0.013	0.007 0.020	5.9
CRUCIF	21	26.6	20.5 32.8	16.4	21	26.6	16.4 36.9	45.4	21	3.9	-0.1 7.9	319.1	21	0.049	0.025 0.073	75.2
CYRGRM	0	0.0	0.0 0.0	0.0	4	1258.8	-269.2 2786.7	56.1	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0
DISSPI	11	11.1	9.8 12.4	2.1	11	321.0	-37.4 679.4	184.0	11	21.5	5.2 37.9	84.8	11	0.134	-0.033 0.300	230.3
EPHVIR	4	18.3	7.3 29.2	13.8	4	315.0	-108.3 738.3	68.8	4	1.3	0.7 1.8	6.9	4	0.057	-0.023 0.137	74.8
ERIGSP	40	7.2	5.7 8.7	26.3	40	69.1	50.1 88.1	48.4	40	5.1	2.5 7.7	161.9	40	0.031	0.021 0.041	64.5
ERISPP	24	8.5	6.8 10.3	14.8	24	35.6	11.8 59.4	157.9	24	2.8	1.5 4.0	72.8	24	0.017	0.006 0.028	149.0
EUPSPP	48	3.5	3.0 4.0	13.1	48	31.4	22.5 40.3	61.2	48	2.6	2.0 3.3	40.9	48	0.011	0.008 0.014	48.
FORSPI	1	4.0	4.0 4.0	0.0	1	80.0	80.0 80.0	0.0	1	1.0	1.0 1.0	0.0	1	0.003	0.003 0.003	0.0
GUTSAR	55	13.9	12.5	8.0	55	126.7	64.2 189.3	214.4	55	3.7	1.7 5.8	259.1	55	0.082	0.042 0.122	211.0
HALGLO	1	12.0	12.0 12.0	0.0	1	100.0	100.0 100.0	0.0	1	20.0	20.0 20.0	0.0	1	0.118	0.118 0.118	0.0

VEGETATION TYPE: 2 (continued)

Species	Height (cm)				Cover (cm^2/4m^2)				Density (individual/4m^2)				Dry Matter (kg/4m^2)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPL SIZ
HILJAM	33	10.5	9.4 11.6	5.7	33	302.7	169.1 436.3	102.8	33	27.9	15.3 40.4	107.4	33	2.862	-1.720 7.444	1353.
HYMENO	4	6.8	1.4 12.1	23.7	4	48.8	-10.0 107.5	55.4	4	1.0	1.0 1.0	0.0	4	0.036	-0.001 0.073	40.
JUNOST	21	158.3	112.5 204.1	25.7	47	9860.4	7202.3 12518.5	54.6	19	1.2	0.9 1.4	8.5	16	17.340	9.249 25.431	49.
LITTER	0	0.0	0.0 0.0	0.0	100	4777.5	3201.1 6353.8	174.2	0	0.0	0.0 0.0	0.0	2	0.005	-0.010 0.020	86.
MULASP	1	6.0	6.0 6.0	0.0	1	130.0	130.0 130.0	0.0	1	2.0	2.0 2.0	0.0	1	0.059	0.059 0.059	0.
OPUSPP	2	5.5	1.1 9.9	6.4	2	65.0	-8.0 138.0	12.8	2	1.0	1.0 1.0	0.0	0	0.0	0.0 0.0	0.
ORYHYM	54	19.7	17.0 21.5	7.6	54	107.6	46.9 168.3	274.5	54	3.2	2.5 4.0	46.8	53	0.110	0.041 0.180	334.
PDASAN	1	7.0	7.0 7.0	0.0	1	2.0	2.0 2.0	0.0	1	3.0	3.0 3.0	0.0	1	0.006	0.006 0.006	0.
PHLOXP	6	4.8	0.8 8.8	47.0	6	15.0	-3.3 33.3	103.0	6	1.0	1.0 1.0	0.0	5	0.006	-0.001 0.013	68.
POAFEN	1	37.0	37.0 37.0	0.0	1	2.0	2.0 2.0	0.0	1	1.0	1.0 1.0	0.0	1	0.002	0.002 0.002	0.
POASAN	5	15.6	5.6 25.6	22.1	5	40.0	6.9 73.1	36.5	5	2.0	0.9 3.1	16.2	5	0.010	-0.003 0.023	93.

VEGETATION TYPE: 2 (continued)

Species	Height (cm)				Cover ($cm^2/4m^2$)				Density (individual/$4m^2$)				Dry Matter ($kg/4m^2$)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPL SIZE
SALKAL	1	6.0	6.0 6.0	0.0	1	10.0	10.0 10.0	0.0	1	1.0	1.0 1.0	0.0	1	0.001	0.001 0.001	0.0
SENECO	2	16.5	12.1 20.9	0.7	2	275.0	202.0 348.0	0.7	2	6.5	5.0 8.0	0.5	2	0.249	0.188 0.310	0.6
SITHYS	3	24.0	14.5 33.5	3.7	3	33.3	25.5 41.2	1.3	3	2.0	0.6 3.4	10.8	3	0.031	0.005 0.057	16.0
SOLRIG	7	18.9	6.6 31.1	35.5	8	63.6	26.0 101.2	34.9	8	2.0	1.2 2.8	15.5	8	0.042	0.025 0.060	17.4
SPHEAR	1	10.0	10.0 10.0	0.0	1	20.0	20.0 20.0	0.0	1	1.0	1.0 1.0	0.0	1	0.007	0.007 0.007	0.0
STALIT (01)	0	0.0	0.0 0.0	0.0	1	50.0	50.0 50.0	0.0	0	0.0	0.0 0.0	0.0	23	0.029	0.012 0.045	111.2
STALIT (02)	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	10	0.014	0.008 0.021	25.4
STICOM	1	18.0	18.0 18.0	0.0	1	40.0	40.0 40.0	0.0	1	3.0	3.0 3.0	0.0	1	0.013	0.013 0.013	0.0
TETSPI	1	30.0	30.0 30.0	0.0	1	150.0	150.0 150.0	0.0	1	1.0	1.0 1.0	0.0	1	0.117	0.117 0.117	0.0

Table 9. Mean, 90 percent confidence interval, and estimated sample size for height, cover, density and dry matter production based on the number of $4m^2$ plots observed to contain the subject species in the Saltbush vegetation type.

VEGETATION TYPE: 3

Species	Height (cm)				Cover ($cm^2/4m^2$)				Density (individual/$4m^2$)				Dry Matter ($kg/4m^2$)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMP SIZ
AGRSMI	1	26.0	26.0 26.0	0.0	1	150.0	150.0 150.0	0.0	1	8.0	8.0 8.0	0.0	1	0.010	0.010 0.010	0
ARTLUD	1	17.0	17.0 17.0	0.0	1	110.0	110.0 110.0	0.0	1	1.0	1.0 1.0	0.0	1	0.015	0.015 0.015	0
ARTNOV	27	28.0	24.9 31.1	4.9	28	1559.8	1157.7 1961.9	27.8	27	4.3	3.2 5.4	26.5	27	0.591	0.313 0.869	89
ARTTRI	40	27.0	23.3 30.7	11.8	40	2928.8	2086.9 3770.7	52.9	40	3.6	3.0 4.3	20.2	40	0.504	0.346 0.663	63
ASTSPP	39	19.6	17.8 21.4	5.2	39	67.1	45.8 88.3	62.7	39	3.6	2.6 4.6	45.5	39	0.031	0.019 0.043	91
ATRCON	88	19.0	17.8 20.2	5.4	90	1261.3	1043.5 1479.1	42.9	88	4.9	4.1 5.6	33.5	89	0.459	0.372 0.547	51
BARGRO	0	0.0	0.0 0.0	0.0	100	36115.9	35623.3 36608.5	0.3	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0
CHRVIS	8	31.6	23.9 39.4	6.0	9	542.8	226.2 859.3	39.4	8	1.5	1.0 2.0	11.0	8	0.134	0.023 0.246	69
CRUCIF	1	30.0	30.0 30.0	0.0	1	20.0	20.0 20.0	0.0	1	1.0	1.0 1.0	0.0	1	0.009	0.009 0.009	0
CYRGRM	0	0.0	0.0 0.0	0.0	7	793.6	-35.4 1622.6	92.1	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0
ERIGSP	13	10.9	8.7 13.1	7.3	13	158.6	42.0 275.3	97.1	13	4.2	0.9 7.6	112.9	13	0.032	0.012 0.051	69

VEGETATION TYPE: 3 (continued)

Species	Height (cm)				Cover (cm2/4m2)				Density (individual/4m2)				Dry Matter (kg/4m2)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE
ERISPP	3	17.7	5.8 29.5	10.6	3	565.0	-429.2 1559.2	72.6	3	10.7	-0.4 21.7	25.2	3	0.035	0.022 0.047	4.9
EUPSPP	2	3.0														
EUPSPP	2	3.0	-2.8 8.8	38.5	2	26.5	22.1 30.9	0.3	2	1.0	1.0 1.0	0.0	2	0.013	0.007 0.019	2.0
EURLAN	4	12.0	8.9 15.1	2.6	4	72.5	18.6 126.4	21.1	4	1.8	0.7 2.8	13.0	4	0.024	-0.003 0.051	49.
GUTSAR	36	17.2	15.1 19.2	8.1	36	154.9	84.6 225.2	118.5	35	6.5	4.2 8.8	70.6	36	0.079	0.045 0.113	107.2
HALGLO	24	4.4	3.6 5.2	11.6	24	108.3	70.6 153.9	42.9	24	45.4	18.9 72.0	121.9	24	0.032	0.018 0.046	70.
HILJAM	10	12.0	8.1 15.9	14.2	10	1407.0	279.5 2534.5	84.7	9	40.3	15.7 65.0	43.2	9	0.310	0.064 0.557	73.2
HYMENO	1	5.0	5.0 5.0	0.0	1	45.0	45.0 45.0	0.0	1	1.0	1.0 1.0	0.0	1	0.002	0.002 0.002	0.0
KOCVES	3	28.0	19.5 36.5	2.2	3	436.7	-120.2 993.5	38.1	3	2.0	0.6 3.4	10.8	3	0.143	0.109 0.177	1.3
LITTER	0	0.0	0.0 0.0	0.0	80	351.4	171.9 530.8	333.8	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0
OPUSPP	14	5.5	5.1 5.9	1.3	14	179.3	115.9 242.7	24.4	14	2.3	0.7 3.9	97.4	0	0.0	0.0 0.0	0.0
ORYHYM	18	21.6	18.2 24.9	6.3	18	122.1	64.4 179.9	57.9	18	2.8	1.9 3.8	30.6	15	0.069	0.019 0.119	111.6

VEGETATION TYPE: 3 (continued)

Species	Height (cm)				Cover ($cm^2/4m^2$)				Density (individual/$4m^2$)				Dry Matter ($kg/4m^2$)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE
SALKAL	10	5.2	3.9 6.5	8.1	10	595.4	2.7 1188.0	130.6	10	138.9	9.2 268.6	115.0	10	0.161	-0.007 0.330	143.7
SARVER	7	41.3	27.2 55.4	9.9	9	1531.8	334.2 2729.3	70.9	7	1.8	1.2 2.5	10.2	8	0.481	0.032 0.930	87.4
SITHYS	1	20.0	20.0 20.0	0.0	1	20.0	20.0 20.0	0.0	1	1.0	1.0 1.0	0.0	1	0.011	0.011 0.011	0.0
SPHEAR	5	13.4	9.4 17.4	4.7	5	58.0	25.6 79.5	15.7	5	3.2	0.6 5.7	34.7	5	0.024	0.003 0.046	42.9
STALIT (01)	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	1	2.0	2.0 2.0	0.0	34	0.013	0.009 0.017	51.7
STALIT (02)	1	20.0	20.0 20.0	0.0	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	33	0.022	0.014 0.029	59.4
STICOM	1	13.0	13.0 13.0	0.0	1	50.0	50.0 50.0	0.0	1	1.0	1.0 1.0	0.0	1	0.072	0.072 0.072	0.0
TETSPI	14	25.6	20.5 30.8	8.0	15	748.1	271.2 1225.1	85.9	13	2.2	1.3 3.1	27.8	14	0.261	-0.009 0.531	209.6

Table 10. Mean, 90 percent confidence interval, and estimated sample size for height, cover, density and dry matter production based on the number of $4m^2$ plots observed to contain the subject species in the Riparian vegetation type.

VEGETATION TYPE: 4

Species	Height (cm)				Cover (cm^2/4m^2)				Density (individual/4m^2)				Dry Matter (kg/4m^2)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE
AGRSMI	21	57.1	47.8 66.4	8.2	23	494.6	243.5 745.8	87.4	23	26.7	15.9	54.7	23	0.170	0.101 0.239	55.8
AMBPSI	5	19.4	12.9 25.9	5.9	5	130.0	35.7 224.3	28.0	5	9.0	2.5 15.5	27.8	5	0.042	-0.012 0.095	87.2
ARTLUD	1	85.0	85.0 85.0	0.0	1	5281.0	5281.0 5281.0	0.0	1	1.0	1.0 1.0	0.0	1	4.435	4.435 4.435	0.0
ARTTRI	9	71.7	55.8 87.5	5.7	9	2447.8	592.7 4302.8	66.6	9	1.8	1.0 2.6	23.2	9	3.531	-0.240 7.302	132.
ASTSPP	1	30.0	30.0 30.0	0.0	1	10.0	10.0 10.0	0.0	1	1.0	1.0 1.0	0.0	1	0.019	0.019 0.019	0.0
ATRPAT	1	86.0	86.0 86.0	0.0	1	770.0	770.0 770.0	0.0	1	1.0	1.0 1.0	0.0	1	0.154	0.154 0.154	0.0
BARGRO	0	0.0	0.0 0.0	0.0	100	8854.2	6807.3 10901.1	85.5	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0
CENPAU	0	0.0	0.0 0.0	0.0	1	40.0	40.0 40.0	0.0	1	216.0	216.0 216.0	0.0	1	0.013	0.013 0.013	0.0
CHRNAU	21	81.5	68.6 94.4	7.7	24	2076.7	531.3 3622.1	196.5	21	1.9	1.3 2.4	26.7	21	1.923	-0.140 3.986	353.
CHRNAU (01)	1	213.0	213.0 213.0	0.0	1	13273.0	13273.0 13273.0	0.0	1	1.0	1.0 1.0	0.0	1	9.422	9.422 9.422	0.0
CHRVIS	44	83.7	74.9 92.5	7.8	45	2919.4	1661.1 4177.7	133.8	44	6.1	4.6 7.7	45.7	44	1.941	0.773 3.108	254.8

VEGETATION TYPE: 4 (continued)

Species	Height (cm)				Cover (cm^2/4m^2)				Density (individual/4m^2)				Dry Matter (kg/4m^2)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE
CIRSPP	0	0.0	0.0 0.0	0.0	1	119.0	119.0 119.0	0.0	1	14.0	14.0 14.0	0.0	1	0.008	0.008 0.008	0.0
CLELIG	1	24.0	24.0 24.0	0.0	1	20.0	20.0 20.0	0.0	1	1.0	1.0 1.0	0.0	1	0.018	0.018 0.018	0.0
CYRGRM	0	0.0	0.0 0.0	0.0	1	1250.0	1250.0 1250.0	0.0	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0
DISSPI	40	19.2	17.3 21.0	5.8	40	1558.2	667.0 2449.4	209.4	39	76.4	46.4 106.2	95.6	40	0.410	0.119 0.702	323.
EQUARV	6	40.5	22.3 58.7	13.9	6	169.8	-10.6 350.2	77.6	6	271.3	-41.4 584.0	91.4	6	0.050	-0.014 0.115	113.9
GUTSAR	3	45.0	22.4 67.6	5.9	3	8433.3	-314.4 17181.0	25.2	3	2.3	0.3 4.4	18.6	3	8.680	-5.355 22.715	61.3
IVAAXI	11	19.5	14.6 24.3	9.2	11	103.2	31.3 175.1	71.6	11	9.3	4.0 14.6	48.0	11	0.013	0.005 0.022	60.4
JUNBAL	1	64.0	64.0 64.0	0.0	1	480.0	480.0 480.0	0.0	1	464.0	464.0 464.0	0.0	1	0.024	0.024 0.024	0.0
KOCSCO	4	50.0	5.4 94.6	30.3	4	1077.3	-332.7 2487.2	65.3	4	130.3	-21.2 281.7	51.5	4	0.674	0.138 1.210	24.1
LITTER	0	0.0	0.0 0.0	0.0	99	24831.2	22314.3 27348.1	16.3	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0
MELOFF	2	28.0	-24.6 80.6	35.8	2	110.0	110.0 110.0	0.0	2	20.0	14.2 25.8	0.9	2	0.013	-0.002 0.028	12.8

VEGETATION TYPE: 4 (continued)

Species	Height (cm)				Cover (cm^2/4m^2)				Density (individual/4m^2)				Dry Matter (kg/4m^2)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPL SIZE
MULASP	1	45.0	45.0 45.0	0.0	1	15.0	15.0 15.0	0.0	1	2.0	2.0 2.0	0.0	1	0.002	0.002 0.002	0.
OPUSPP	0	0.0	0.0 0.0	0.0	1	50.0	50.0 50.0	0.0	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.
PHRCOM	1	84.0	84.0 84.0	0.0	1	210.0	210.0 210.0	0.0	1	1.0	1.0 1.0	0.0	1	0.221	0.221 0.221	0.
POAFEN	4	45.8	23.7 67.8	8.8	4	129.5	-13.8 272.8	46.6	4	55.3	-11.9 122.9	56.4	4	0.025	0.003 0.048	30.
POPFRE	11	2113.1	1055.7 3170.4	37.0	22	23362.7	17642.6 29082.8	19.4	11	2.9	1.1 4.7	56.7	8	22.628	-0.380 45.636	103.
RHUTRI	1	15.0	15.0 15.0	0.0	1	55.0	55.0 55.0	0.0	1	3.0	3.0 3.0	0.0	1	0.004	0.004 0.004	0.
SALEXI	11	158.8	61.0 256.7	56.0	12	1229.3	360.3 2198.2	101.6	11	2.4	1.2 3.5	33.0	11	0.409	-0.025 0.843	165.
SALKAL	15	18.7	14.0 23.5	13.6	15	887.7	366.2 1409.0	72.9	15	54.9	4.3 105.5	179.8	15	0.178	0.059 0.297	94.
SARVER	7	421.9	-91.6 935.3	125.0	10	6031.3	2805.2 9257.4	37.7	8	1.6	1.0 2.2	13.8	8	6.700	0.512 12.889	85.
SISALT	2	63.5	-54.8 181.8	35.2	2	70.0	-105.2 245.2	63.6	2	2.5	1.0 4.0	3.5	2	0.047	-0.084 0.178	79.
SPHEAR	2	8.0	-6.6 22.6	33.8	2	12.5	5.2 19.8	3.5	2	2.0	-0.9 4.9	21.6	2	0.003	0.001 0.004	3.

VEGETATION TYPE: 4 (continued)

Species	Height (cm)				Cover (cm^2/4m^2)				Density (individual/4m^2)				Dry Matter (kg/4m^2)			
	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE	NUM OBS	MEAN	90% C.I.	SAMPLE SIZE
SPOAIR	6	32.0	10.6 53.4	30.6	7	274.3	123.4 425.1	25.5	6	2.3	1.1 3.5	18.0	6	0.151	0.025 0.277	47.6
STALIT (01)	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	46	0.029	0.015 0.043	179.2
STALIT (02)	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	0	0.0	0.0 0.0	0.0	36	0.016	0.010 0.022	72.5
TAMPEN	13	380.8	119.4 642.2	84.6	18	10596.7	5332.6 15860.8	63.9	14	4.6	2.7 6.5	33.7	14	13.838	2.932 24.743	121.4

Table 11. Mean cover, density and dry matter production based on one-hundred 4m^2 plots from the Sagebrush - greasewood vegetation type.

VEGETATION TYPE: 1

Species	Cover (cm^2/4m^2)	Density (individual/4m^2)	Dry Matter (kg/4m^2)
AMBPSI	.60	.04	.002
ARTNOV	205.25	1.05	.091
ARTTRI	369.97	1.44	.141
ASTSPP	.15	.03	$<$.001
ATRCON	55.41	6.30	.034
BARGRO	33718.45	.00	.000
CHRVIS	123.55	.42	.038
CRUCIF	1.46	.18	$<$.001
CYRGRM	133.30	.00	.000
ERIGSP	1.24	.04	$<$.001
ERISPP	1.25	.12	.001
EURLAN	5.70	.06	.003
GRASPI	204.05	.26	.003
GUTSAR	28.28	.84	.009
HILJAM	11.55	.51	.002
KOCVES	9.90	.17	.005
LITTER	4204.53	.00	.000
OPUSPP	3.22	.06	.000
ORYHYM	82.96	1.20	.114
SALKAL	462.71	39.04	.580
SARVER	505.69	.72	.646
SITHYS	.16	.01	$<$.001
SPHEAR	1.05	.07	.001

VEGETATION TYPE: 1 (continued)

Species	Cover ($cm^2/4m^2$)	Density (individual/$4m^2$)	Dry Matter ($kg/4m^2$)
SPOCRY	1.55	.04	.003
STALIT (01)	.00	.00	.002
STALIT (02)	.00	.00	.005
STICOM	1.68	5.39	.032
TETSPI	24.80	.09	.016

Table 12. Mean cover, density and dry matter production based on one-hundred 4m^2 plots from the Juniper vegetation type.

VEGETATION TYPE: 2

Species	Cover ($cm^2/4m^2$)	Density ($individual/4m^2$)	Dry Matter ($kg/4m^2$)
AGRSMI	2.34	.20	.001
ARTLUD	27.54	.45	.019
ARTNOV	458.27	2.10	.012
ARTTRI	38.21	.15	.012
ASTSPP	1.28	.37	.018
ATRCON	65.39	.68	.045
BARGRO	34278.16	.00	.000
BOUGRA	1.3	.04	<.001
CHRGRE	2.54	.11	.001
CHRVIS	111.05	1.70	.063
CHYGRE	7.1	.04	.003
COMPAL	.63	.04	<.001
CRUCIF	5.59	4.41	.010
CYRGRM	50.35	.00	.000
DISSPI	35.31	2.37	.015
EPHVIR	12.6	.05	.002
ERIGSP	27.64	2.05	.012
ERISPP	8.55	.66	.004
EUPSPP	15.08	1.27	.005
FORSPI	.8	.01	< .001
GUTSAR	69.71	2.06	.045
HALGLO	1.00	.20	.001
HILJAM	99.90	9.20	.944

VEGETATION TYPE: 2 (continued)

Species	Cover (cm^2/4m^2)	Density (individual/4m^2)	Dry Matter (kg/4m^2)
HYMENO	1.95	.04	.001
JUNOST	4634.40	.23	2.774
LITTER	4777.48	.00	<.001
MULASP	1.3	.02	<.001
OPUSPP	1.3	.02	.000
ORYHYM	58.13	1.75	.058
PDASAN	.02	.03	<.001
PHLOXP	.9	.06	<.001
POAFEN	.02	.01	<.001
POASAN	2.00	.10	<.001
SALKAL	.1	.01	<.001
SENECO	5.5	.13	.005
SITHYS	1.0	.06	.001
SOLRIG	5.09	.16	.003
SPHEAR	.2	.01	<.001
STALIT (01)	.5	.00	.007
STALIT (02)	.0	.00	.001
STICOM	.4	.03	<.001
TETSPI	1.5	.01	.001

Table 13. Mean cover, density and dry matter production based on one-hundred $4m^2$ plots from the Saltbush vegetation type.

VEGETATION TYPE: 3

Species	Cover (cm^2/4m^2)	Density (individual/4m^2)	Dry Matter (kg/4m^2)
AGRSMI	1.5	.08	<.001
ARTLUD	1.1	.01	<.001
ARTNOV	436.75	1.15	.160
ARTTRI	1171.53	1.45	.202
ASTSPP	26.15	1.42	.012
ATRCON	1135.18	4.30	.005
BARGRO	36115.92	0.00	.000
CHRVIS	48.85	.12	.010
CRUCIF	.2	.01	<.001
CYRGRM	55.55	0.00	.000
ERIGSP	20.62	.55	.004
ERISPP	16.95	.32	.001
EUPSPP	.53	.02	<.001
EURLAN	2.9	.07	<.001
GUTSAR	55.76	2.28	.028
HALGLO	25.98	10.89	.008
HILJAM	140.7	3.63	.028
HYMENO	.45	.01	< .001
KOCVES	13.10	.06	.004
LITTER	281.08	0.00	.000
OPUSPP	25.10	.32	.000
ORYHYM	21.99	.51	.010
SALKAL	59.54	13.89	.016

VEGETATION TYPE: 3 (continued)

Species	Cover ($cm^2/4m^2$)	Density (individual/$4m^2$)	Dry Matter ($kg/4m^2$)
SARVER	137.86	.13	.038
SITHYS	.2	.01	<.001
SPHEAR	2.9	.16	.001
STALIT (01)	0.0	.02	.004
STALIT (02)	0.0	.00	.007
STICOM	.5	.01	<.001
TETSPI	112.22	.29	.036

Table 14. Mean cover, density and dry matter production based on one-hundred $4m^2$ plots from the Riparian vegetation type.

VEGETATION TYPE: 4

Species	Cover (cm^2/4m^2)	Density (individual/4m^2)	Dry Matter (kg/4m^2)
AGRSMI	113.07	6.13	.039
AMBPSI	6.50	.45	.002
ARTLUD	52.81	.01	.044
ARTTRI	230.30	.16	.318
ASTSPP	.10	.01	< .001
ATRPAT	7.70	.01	.001
BARGRO	8854.19		
CENPAU	.4	2.16	< .001
CHRNAU	498.40	.40	.403
CHRNAU (01)	132.73	.01	.094
CHRVIS	1313.73	2.70	.854
CIRSPP	1.19	.14	<.001
CLELIG	.20	.01	<.001
CYRGRM	12.50		
DISSPI	623.28	29.78	.164
EQUARV	10.19	16.28	.003
GUTSAR	260.00	.07	.260
IVAAXI	11.35	1.02	.001
JUNBAL	4.8	4.64	< .001
KOCSCO	43.09	5.21	.027
LITTER	24582.91		
MELOFF	2.2	.4	<.001

VEGETATION TYPE: 4 (continued)

Species	Cover (cm^2/4m^2)	Density (individual/4m^2)	Dry Matter (kg/4m^2)
MULASP	.15	.02	<.001
OPUSPP	.5		
PHRCOM	2.1	.01	.002
POAFEN	5.18	2.21	.001
POPFRE	5139.79	.32	1.810
RHUTRI	.55	.03	<.001
SALEXI	147.51	.26	.045
SALKAL	133.15	8.23	.027
SARVER	603.13	13.0	.536
SISALT	1.4	.05	<.001
SPHEAR	.25	.04	<.001
SPOAIR	19.20	.14	.009
STALIT (01)	.01		
STALIT (02)	.01		
TAMPEN	1907.41	.64	1.94

A. VEGETATION

2. VEGETATION ANALYSIS

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VEG TYPE : 2   SPECIES : AGRSMI   MICRO PLOT :

                                                    DRY
                 HEIGHT      COVER   DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS              3          3         3          3
MEAN             30.000     78.000     6.667      0.051
VARIANCE        309.000  11332.000    80.333      0.001
STAN DEV         17.578    106.452     8.963      0.032
STAN ERR         10.149     61.460     5.175      0.018
COEF VAR           58.6      136.5     134.4       62.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              6.120    -66.615    -5.509      0.008
                 53.880    222.615    18.843      0.095

95 %             -2.294   -117.566    -9.799     -0.007
                 62.294    273.566    23.133      0.110

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -2.094   -116.354    -9.697     -0.007
                 62.094    272.354    23.031      0.110

95 %            -15.387   -196.858   -16.475     -0.031
                 75.387    352.858    29.809      0.134

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         371.5     2015.6    1956.0      421.1
     0.10          92.9      503.9     489.0      105.3
     0.15          41.3      224.0     217.3       46.8
     0.20          23.2      126.0     122.2       26.3
     0.25          14.9       80.6      78.2       16.8
     0.30          10.3       56.0      54.3       11.7

95 %    R
     0.05         527.6     2862.1    2777.5      597.9
     0.10         131.9      715.5     694.4      149.5
     0.15          58.6      318.0     308.6       66.4
     0.20          33.0      178.9     173.6       37.4
     0.25          21.1      114.5     111.1       23.9
     0.30          14.7       79.5      77.2       16.6
```

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VEG TYPE : 2   SPECIES : ARTLUD   MICRO PLOT :

                                                    DRY
                  HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM, OBS              28          28         26         27
MEAN               6.071      98.357      1.731      0.072
VARIANCE           8.365   18628.831      0.925      0.013
STAN DEV           2.892     136.487      0.962      0.113
STAN ERR           0.547      25.794      0.189      0.022
COEF VAR            47.6       138.8       55.6      157.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               5.142      54.482      1.409      0.035
                   7.001     142.232      2.052      0.109

95 %               4.952      45.532      1.343      0.027
                   7.191     151.183      2.118      0.116

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               4.343      16.790      1.134      0.003
                   7.800     179.924      2.327      0.140

95 %               3.627     -16.996      0.887     -0.026
                   8.516     213.710      2.574      0.169

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          245.6      2083.8      334.0     2689.2
     0.10           61.4       521.0       83.5      672.3
     0.15           27.3       231.5       37.1      298.8
     0.20           15.3       130.2       20.9      168.1
     0.25            9.8        83.4       13.4      107.6
     0.30            6.8        57.9        9.3       74.7

95 %    R
     0.05          348.7      2959.0      474.3     3818.7
     0.10           87.2       739.8      118.6      954.7
     0.15           38.7       328.8       52.7      424.3
     0.20           21.8       184.9       29.6      238.7
     0.25           13.9       118.4       19.0      152.7
     0.30            9.7        82.2       13.2      106.1
```

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VEG TYPE : 2   SPECIES : ARTNOV   MICRO PLOT :

                                                    DRY
                HEIGHT      COVER    DENSITY      WEIGHT
----------------------------------------------------------
NUM. OBS            56          60         55          56
MEAN            11.464     763.783      3.836       0.217
VARIANCE      75.344737664.071         11.139       0.067
STAN DEV         8.680     858.874      3.338       0.259
STAN ERR         1.160     110.880      0.450       0.035
COEF VAR          75.7       112.4       87.0       119.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             9.556     581.408      3.096       0.160
                13.372     946.159      4.577       0.274

95 %             9.191     546.458      2.954       0.149
                13.738     981.108      4.718       0.285

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             7.796     413.149      2.413       0.108
                15.132    1114.417      5.260       0.327

95 %             6.277     267.912      1.824       0.062
                16.652    1259.655      5.849       0.372

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05         620.4      1368.4      819.0      1541.5
    0.10         155.1       342.1      204.8       385.4
    0.15          68.9       152.0       91.0       171.3
    0.20          38.8        85.5       51.2        96.3
    0.25          24.8        54.7       32.8        61.7
    0.30          17.2        38.0       22.8        42.8

95 %    R
    0.05         880.9      1943.1     1163.0      2188.9
    0.10         220.2       485.8      290.8       547.2
    0.15          97.9       215.9      129.2       243.2
    0.20          55.1       121.4       72.7       136.8
    0.25          35.2        77.7       46.5        87.6
    0.30          24.5        54.0       32.3        60.8
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VEG TYPE : 2   SPECIES : ARTTRI   MICRO PLOT :

                                                   DRY
                 HEIGHT      COVER    DENSITY    WEIGHT
---------------------------------------------------------
NUM. OBS              5          5          5         5
MEAN             12.800    764.200      3.000     0.249
VARIANCE         49.200**********      11.500     0.208
STAN DEV          7.014   1322.081      3.391     0.456
STAN ERR          3.137    591.253      1.517     0.204
COEF VAR           54.8      173.0      113.0     183.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              6.479   -427.174     -0.056    -0.162
                 19.121   1955.574      6.056     0.660

95 %              4.735   -755.910     -0.899    -0.275
                 20.865   2284.310      6.899     0.773

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              2.880 -1105.506     -1.796    -0.396
                 22.720   2633.906      7.796     0.894

95 %             -1.229 -1879.964     -3.782    -0.663
                 26.829   3408.364      9.782     1.161

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          325.0     3238.8     1382.7    3634.5
    0.10           81.2      809.7      345.7     908.6
    0.15           36.1      359.9      153.6     403.8
    0.20           20.3      202.4       86.4     227.2
    0.25           13.0      129.6       55.3     145.4
    0.30            9.0       90.0       38.4     101.0

95 %    R
    0.05          461.4     4599.1     1963.5    5160.9
    0.10          115.4     1149.8      490.9    1290.2
    0.15           51.3      511.0      218.2     573.4
    0.20           28.8      287.4      122.7     322.6
    0.25           18.5      184.0       78.5     206.4
    0.30           12.8      127.8       54.5     143.4
```

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VEG TYPE : 2   SPECIES : ASTSPP   MICRO PLOT :

                                                      DRY
                  HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM, OBS              20         20         20         20
MEAN              16.300    128.350      1.850      0.091
VARIANCE          68.537  19085.397      0.871      0.015
STAN DEV           8.279    138.150      0.933      0.123
STAN ERR           1.851     30.891      0.209      0.028
COEF VAR            50.8      107.6       50.4      134.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              13.107     75.063      1.490      0.044
                  19.493    181.637      2.210      0.139

95 %              12.438     63.911      1.415      0.034
                  20.162    192.789      2.285      0.149

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              10.446     30.663      1.190      0.004
                  22.154    226.037      2.510      0.178

95 %               8.021     -9.800      0.917     -0.032
                  24.579    266.500      2.783      0.214

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           279.1     1253.7      275.4     1968.5
    0.10            69.8      313.4       68.9      492.1
    0.15            31.0      139.3       30.6      218.7
    0.20            17.4       78.4       17.2      123.0
    0.25            11.2       50.1       11.0       78.7
    0.30             7.8       34.8        7.7       54.7

95 %    R
    0.05           396.4     1760.3      391.1     2795.2
    0.10            99.1      445.1       97.8      698.8
    0.15            44.0      197.8       43.5      310.6
    0.20            24.8      111.3       24.4      174.7
    0.25            15.9       71.2       15.6      111.8
    0.30            11.0       49.5       10.9       77.6
```

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VEG TYPE : 2   SPECIES : ATRCON   MICRO PLOT :

                                                  DRY
                  HEIGHT      COVER    DENSITY   WEIGHT
-----------------------------------------------------------
NUM. OBS              29          29        29        29
MEAN              12.241     225.483     2.345     0.154
VARIANCE          49.047   93659.616     4.091     0.080
STAN DEV           7.003     306.039     2.023     0.284
STAN ERR           1.300      56.830     0.376     0.053
COEF VAR            57.2       135.7      86.3     183.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              10.032     128.929     1.707     0.065
                  14.451     322.037     2.983     0.244

95 %               9.582     109.266     1.577     0.047
                  14.901     341.700     3.113     0.262

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               8.129      45.771     1.157    -0.012
                  16.354     405.195     3.533     0.321

95 %               6.425     -28.669     0.665    -0.081
                  18.057     479.634     4.025     0.390

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05         354.2      1993.5     805.2    3656.0
      0.10          88.5       498.4     201.3     914.0
      0.15          39.4       221.5      89.5     406.2
      0.20          22.1       124.6      50.3     228.5
      0.25          14.2        79.7      32.2     146.2
      0.30           9.8        55.4      22.4     101.6

95 %    R
      0.05         502.9      2830.7    1143.4    5191.4
      0.10         125.7       707.7     285.8    1297.9
      0.15          55.9       314.5     127.0     576.8
      0.20          31.4       176.9      71.5     324.5
      0.25          20.1       113.2      45.7     207.7
      0.30          14.0        78.6      31.8     144.2
```

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VEG TYPE : 2   SPECIES : BARGRO   MICRO PLOT :

                                                         DRY
                  HEIGHT      COVER    DENSITY        WEIGHT
----------------------------------------------------------------
NUM. OBS               0         100          0            0
MEAN               0.000   34278.160      0.000        0.000
VARIANCE           0.000**********        0.000        0.000
STAN.DEV           0.000    9010.792      0.000        0.000
STAN ERR           0.000     901.079      0.000        0.000
COEF VAR             0.0        26.3        0.0          0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000   32796.065      0.000        0.000
                   0.000   35760.255      0.000        0.000

95 %               0.000   32512.045      0.000        0.000
                   0.000   36044.275      0.000        0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000   31428.695      0.000        0.000
                   0.000   37127.625      0.000        0.000

95 %               0.000   30248.408      0.000        0.000
                   0.000   38307.912      0.000        0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            0.0          74.8        0.0          0.0
     0.10            0.0          18.7        0.0          0.0
     0.15            0.0           8.3        0.0          0.0
     0.20            0.0           4.7        0.0          0.0
     0.25            0.0           3.0        0.0          0.0
     0.30            0.0           2.1        0.0          0.0

95 %    R
     0.05            0.0         106.2        0.0          0.0
     0.10            0.0          26.5        0.0          0.0
     0.15            0.0          11.8        0.0          0.0
     0.20            0.0           6.6        0.0          0.0
     0.25            0.0           4.2        0.0          0.0
     0.30            0.0           2.9        0.0          0.0
```

```
VEG TYPE : 2   SPECIES : BOUGRA   MICRO PLOT :

                                                      DRY
                  HEIGHT       COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS              1            1           1          1
MEAN              6.000      130.000       4.000      0.046
VARIANCE          0.000        0.000       0.000      0.000
STAN DEV          0.000        0.000       0.000      0.000
STAN ERR          0.000        0.000       0.000      0.000
COEF VAR            0.0          0.0         0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              6.000      130.000       4.000      0.046
                  6.000      130.000       4.000      0.046

95 %              6.000      130.000       4.000      0.046
                  6.000      130.000       4.000      0.046

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              6.000      130.000       4.000      0.046
                  6.000      130.000       4.000      0.046

95 %              6.000      130.000       4.000      0.046
                  6.000      130.000       4.000      0.046

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05          0.0          0.0         0.0        0.0
      0.10          0.0          0.0         0.0        0.0
      0.15          0.0          0.0         0.0        0.0
      0.20          0.0          0.0         0.0        0.0
      0.25          0.0          0.0         0.0        0.0
      0.30          0.0          0.0         0.0        0.0

95 %    R
      0.05          0.0          0.0         0.0        0.0
      0.10          0.0          0.0         0.0        0.0
      0.15          0.0          0.0         0.0        0.0
      0.20          0.0          0.0         0.0        0.0
      0.25          0.0          0.0         0.0        0.0
      0.30          0.0          0.0         0.0        0.0
```

```
VEG TYPE : 2   SPECIES : CHRGRE   MICRO PLOT :

                                                      DRY
                 HEIGHT      COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS              5          5          5           5
MEAN             10.400     50.800      2.200       0.037
VARIANCE         31.300   7201.200      2.700       0.000
STAN DEV          5.595     84.860      1.643       0.012
STAN ERR          2.502     37.950      0.735       0.005
COEF VAR           53.8      167.0       74.7        32.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              5.358    -25.670      0.719       0.026
                 15.442    127.270      3.681       0.048

95 %              3.967    -46.771      0.311       0.023
                 16.833    148.371      4.089       0.050

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              2.488    -69.210     -0.124       0.020
                 18.312    170.810      4.524       0.054

95 %             -0.789   -118.920     -1.086       0.013
                 21.589    220.520      5.486       0.061

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05          313.2     3019.7      603.7       112.8
    0.10           78.3      754.9      150.9        28.2
    0.15           34.8      335.5       67.1        12.5
    0.20           19.6      188.7       37.7         7.1
    0.25           12.5      120.8       24.1         4.5
    0.30            8.7       83.9       16.8         3.1

95 %   R
    0.05          444.7     4287.9      857.2       160.2
    0.10          111.2     1072.0      214.3        40.1
    0.15           49.4      476.4       95.2        17.8
    0.20           27.8      268.0       53.6        10.0
    0.25           17.8      171.5       34.3         6.4
    0.30           12.4      119.1       23.8         4.5
```

```
VEG TYPE : 2   SPECIES : CHRVIS   MICRO PLOT :

                                                         DRY
                 HEIGHT       COVER    DENSITY        WEIGHT
--------------------------------------------------------------
NUM. OBS             29          29          29           29
MEAN             13.241     382.931       5.862        0.218
VARIANCE         91.761125634.852        24.480        0.065
STAN DEV          9.579     354.450       4.948        0.254
STAN ERR          1.779      65.820       0.919        0.047
COEF VAR           72.3        92.6        84.4        116.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             10.219     271.103       4.301        0.137
                 16.264     494.759       7.423        0.298

95 %              9.604     248.330       3.983        0.121
                 16.879     517.532       7.741        0.314

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              7.616     174.791       2.957        0.068
                 18.866     591.071       8.767        0.367

95 %              5.286      88.576       1.753        0.006
                 21.196     677.286       9.971        0.429

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         566.3       927.2       770.9       1478.0
     0.10         141.6       231.8       192.7        369.5
     0.15          62.9       103.0        85.7        164.2
     0.20          35.4        57.9        48.2         92.4
     0.25          22.7        37.1        30.8         59.1
     0.30          15.7        25.8        21.4         41.1

95 %    R
     0.05         804.2      1316.6      1094.7       2098.8
     0.10         201.1       329.1       273.7        524.7
     0.15          89.4       146.3       121.6        233.2
     0.20          50.3        82.3        68.4        131.2
     0.25          32.2        52.7        43.8         84.0
     0.30          22.3        36.6        30.4         58.3
```

```
VEG TYPE : 2   SPECIES : CHYGRE   MICRO PLOT :

                                                  DRY
               HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------
NUM. OBS            2          2          2          2
MEAN           14.500    355.000      2.000      0.157
VARIANCE      264.500224450.000      0.000      0.022
STAN DEV       16.263    473.762      0.000      0.149
STAN ERR       11.500    335.000      0.000      0.106
COEF VAR        112.2      133.5        0.0       95.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          -19.080   -623.200      2.000     -0.152
               48.080   1333.200      2.000      0.465

95 %          -34.985  -1086.505      2.000     -0.297
               63.985   1796.505      2.000      0.610

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          -21.866   -704.364      2.000     -0.177
               50.866   1414.364      2.000      0.490

95 %          -36.930  -1143.167      2.000     -0.315
               65.930   1853.167      2.000      0.628

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05       1361.4     1927.3        0.0      983.5
    0.10        340.3      481.8        0.0      245.9
    0.15        151.3      214.1        0.0      109.3
    0.20         85.1      120.5        0.0       61.5
    0.25         54.5       77.1        0.0       39.3
    0.30         37.8       53.5        0.0       27.3

95 %    R
    0.05       1933.1     2736.7        0.0     1396.6
    0.10        483.3      684.2        0.0      349.2
    0.15        214.8      304.1        0.0      155.2
    0.20        120.8      171.0        0.0       87.3
    0.25         77.3      109.5        0.0       55.9
    0.30         53.7       76.0        0.0       38.8
```

```
VEG TYPE : 2    SPECIES : COMPAL    MICRO PLOT :

                                                      DRY
                   HEIGHT      COVER    DENSITY     HEIGHT
-------------------------------------------------------------
NUM. OBS                3          3          3          3
MEAN                9.333     21.000      1.333      0.013
VARIANCE            4.333    343.000      0.333      0.000
STAN DEV            2.082     18.520      0.577      0.005
STAN ERR            1.202     10.693      0.333      0.003
COEF VAR             22.3       88.2       43.3       37.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                6.505     -4.160      0.549      0.007
                   12.161     46.160      2.118      0.020

95 %                5.509    -13.024      0.273      0.004
                   13.156     55.024      2.394      0.022

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                5.533    -12.813      0.279      0.004
                   13.134     54.813      2.387      0.022

95 %                3.958    -26.819     -0.157      0.001
                   14.708     68.819      2.824      0.026

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            53.8      841.7      202.9      148.1
     0.10            13.5      210.4       50.7       37.0
     0.15             6.0       93.5       22.5       16.5
     0.20             3.4       52.6       12.7        9.3
     0.25             2.2       33.7        8.1        5.9
     0.30             1.5       23.4        5.6        4.1

95 %    R
     0.05            76.4     1195.2      288.1      210.3
     0.10            19.1      298.8       72.0       52.6
     0.15             8.5      132.8       32.0       23.4
     0.20             4.8       74.7       18.0       13.1
     0.25             3.1       47.8       11.5        8.4
     0.30             2.1       33.2        8.0        5.8
```

```
VEG TYPE : 2   SPECIES : CRUCIF   MICRO PLOT :

                                                      DRY
                  HEIGHT       COVER    DENSITY    WEIGHT
-------------------------------------------------------------
NUM. OBS              21          21         21        21
MEAN              26.619      26.619      3.905     0.049
VARIANCE         268.648     742.548    112.390     0.004
STAN DEV          16.390      27.250     10.601     0.064
STAN ERR           3.577       5.946      2.313     0.014
COEF VAR            61.6       102.4      271.5     131.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              20.464      16.385     -0.077     0.025
                  32.775      36.853      7.886     0.073

95 %              19.180      14.251     -0.907     0.020
                  34.059      38.988      8.717     0.078

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              15.309       7.815     -3.411     0.004
                  37.930      45.423     11.220     0.093

95 %              10.624       0.026     -6.441    -0.014
                  42.615      53.212     14.251     0.111

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          410.3      1134.0     7976.8    1878.9
     0.10          102.6       283.5     1994.2     469.7
     0.15           45.6       126.0      886.3     208.8
     0.20           25.6        70.9      498.5     117.4
     0.25           16.4        45.4      319.1      75.2
     0.30           11.4        31.5      221.6      52.2

95 %    R
     0.05          582.6      1610.3    11326.9    2668.1
     0.10          145.6       402.6     2831.7     667.0
     0.15           64.7       178.9     1258.5     296.5
     0.20           36.4       100.6      707.9     166.8
     0.25           23.3        64.4      453.1     106.7
     0.30           16.2        44.7      314.6      74.1
```

```
VEG TYPE : 2   SPECIES : CYRGRM   MICRO PLOT :

                                                DRY
                  HEIGHT      COVER   DENSITY   WEIGHT
-------------------------------------------------------
NUM. OBS              0           4         0        0
MEAN              0.000    1258.750     0.000    0.000
VARIANCE          0.000**********       0.000    0.000
STAN DEV          0.000    1433.343     0.000    0.000
STAN ERR          0.000     716.672     0.000    0.000
COEF VAR            0.0       113.9       0.0      0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000    -269.194     0.000    0.000
                  0.000    2786.694     0.000    0.000

95 %              0.000    -730.730     0.000    0.000
                  0.000    3248.230     0.000    0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000 -1007.566      0.000    0.000
                  0.000  3525.066      0.000    0.000

95 %              0.000 -1946.306      0.000    0.000
                  0.000  4463.806      0.000    0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0      1403.2        0.0      0.0
     0.10          0.0       350.8        0.0      0.0
     0.15          0.0       155.9        0.0      0.0
     0.20          0.0        87.7        0.0      0.0
     0.25          0.0        56.1        0.0      0.0
     0.30          0.0        39.0        0.0      0.0

95 %    R
     0.05          0.0      1992.5        0.0      0.0
     0.10          0.0       498.1        0.0      0.0
     0.15          0.0       221.4        0.0      0.0
     0.20          0.0       124.5        0.0      0.0
     0.25          0.0        79.7        0.0      0.0
     0.30          0.0        55.3        0.0      0.0
```

```
VEG TYPE : 2   SPECIES : DISSPI   MICRO PLOT :

                                                      DRY
                 HEIGHT      COVER    DENSITY      WEIGHT
----------------------------------------------------------
NUM, OBS             11         11         11          11
MEAN             11.091    321.000     21.545       0.134
VARIANCE          5.891438125.000    909.073       0.095
STAN DEV          2.427    661.910     30.151       0.308
STAN ERR          0.732    199.573      9.091       0.093
COEF VAR           21.9      206.2      139.9       230.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              9.777    -37.434      5.218      -0.033
                 12.405    679.434     37.873       0.300

95 %              9.480   -118.261      1.537      -0.071
                 12.702    760.261     41.554       0.338

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              8.777   -310.107     -7.202      -0.160
                 13.405    952.107     50.293       0.427

95 %              7.818   -571.520    -19.110      -0.282
                 14.364   1213.520     62.201       0.549

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          51.8     4601.2     2119.2      5756.8
     0.10          13.0     1150.3      529.8      1439.2
     0.15           5.8      511.2      235.5       639.6
     0.20           3.2      287.6      132.5       359.8
     0.25           2.1      184.0       84.8       230.3
     0.30           1.4      127.8       58.9       159.9

95 %    R
     0.05          73.6     6533.7     3009.3      8174.7
     0.10          18.4     1633.4      752.3      2043.7
     0.15           8.2      726.0      334.4       908.3
     0.20           4.6      408.4      188.1       510.9
     0.25           2.9      261.3      120.4       327.0
     0.30           2.0      181.5       83.6       227.1
```

```
VEG TYPE : 2   SPECIES : EPHVIR   MICRO PLOT :

                                                         DRY
                   HEIGHT        COVER    DENSITY      WEIGHT
--------------------------------------------------------------
NUM. OBS                4            4          4           4
MEAN               18.250      315.000      1.250       0.057
VARIANCE      106.250157700.000             0.250       0.006
STAN DEV           10.308      397.115      0.500       0.075
STAN ERR            5.154      198.557      0.250       0.038
COEF VAR             56.5        126.1       40.0       131.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                7.262     -108.324      0.717      -0.023
                   29.238      738.324      1.783       0.137

95 %                3.943     -236.195      0.556      -0.047
                   32.557      866.195      1.944       0.162

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                1.952     -312.894      0.459      -0.062
                   34.548      942.894      2.041       0.176

95 %               -4.799     -572.976      0.132      -0.111
                   41.299     1202.976      2.368       0.226

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           345.2       1719.9      173.1      1870.4
     0.10            86.3        430.0       43.3       467.6
     0.15            38.4        191.1       19.2       207.8
     0.20            21.6        107.5       10.8       116.9
     0.25            13.8         68.8        6.9        74.8
     0.30             9.6         47.8        4.8        52.0

95 %    R
     0.05           490.2       2442.2      245.9      2655.9
     0.10           122.6        610.6       61.5       664.0
     0.15            54.5        271.4       27.3       295.1
     0.20            30.6        152.6       15.4       166.0
     0.25            19.6         97.7        9.8       106.2
     0.30            13.6         67.8        6.8        73.8
```

```
VEG TYPE : 2   SPECIES : ERIGSP   MICRO PLOT :

                                                          DRY
                    HEIGHT       COVER    DENSITY      WEIGHT
---------------------------------------------------------------
NUM. OBS                40          40         40          40
MEAN                 7.200      69.100      5.125       0.031
VARIANCE            31.497    5334.759     98.215       0.001
STAN DEV             5.612      73.039      9.910       0.038
STAN ERR             0.887      11.549      1.567       0.006
COEF VAR              77.9       105.7      193.4       122.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                 5.740      50.105      2.548       0.021
                     8.660      88.095      7.702       0.041

95 %                 5.461      46.465      2.054       0.019
                     8.939      91.735      8.196       0.043

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                 4.394      32.580      0.170       0.012
                    10.006     105.620     10.080       0.050

95 %                 3.232      17.453     -1.883       0.004
                    11.168     120.747     12.133       0.058

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            657.5      1209.1     4046.5      1612.2
     0.10            164.4       302.3     1011.6       403.1
     0.15             73.1       134.3      449.6       179.1
     0.20             41.1        75.6      252.9       100.8
     0.25             26.3        48.4      161.9        64.5
     0.30             18.3        33.6      112.4        44.8

95 %    R
     0.05            933.6      1716.8     5745.9      2289.3
     0.10            233.4       429.2     1436.5       572.3
     0.15            103.7       190.8      638.4       254.4
     0.20             58.4       107.3      359.1       143.1
     0.25             37.3        68.7      229.8        91.6
     0.30             25.9        47.7      159.6        63.6
```

```
VEG TYPE : 2   SPECIES : ERISPP   MICRO PLOT :

                                                      DRY
                  HEIGHT      COVER    DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS              24         24         24         24
MEAN               8.583     35.625      2.750      0.017
VARIANCE          25.123   4629.549     12.717      0.001
STAN DEV           5.012     68.041      3.566      0.031
STAN ERR           1.023     13.889      0.728      0.006
COEF VAR            58.4      191.0      129.7      185.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               6.833     11.861      1.505      0.006
                  10.334     59.389      3.995      0.028

95 %               6.472      6.959      1.248      0.004
                  10.695     64.291      4.252      0.030

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               5.348     -8.295      0.448     -0.003
                  11.819     79.545      5.052      0.037

95 %               4.008    -26.488     -0.505     -0.012
                  13.159     97.738      6.005      0.045

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           369.0     3947.4     1819.8     3724.9
    0.10            92.3      986.9      454.9      931.2
    0.15            41.0      438.6      202.2      413.9
    0.20            23.1      246.7      113.7      232.8
    0.25            14.8      157.9       72.8      149.0
    0.30            10.3      109.7       50.5      103.5

95 %    R
    0.05           524.0     5605.3     2584.1     5289.3
    0.10           131.0     1401.3      646.0     1322.3
    0.15            58.2      622.8      287.1      587.7
    0.20            32.8      350.3      161.5      330.6
    0.25            21.0      224.2      103.4      211.6
    0.30            14.6      155.7       71.8      146.9
```

```
VEG TYPE : 2   SPECIES : EUPSPP   MICRO PLOT :

                                                        DRY
                  HEIGHT       COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS              48          48         48          48
MEAN               3.500      31.417      2.646       0.011
VARIANCE           3.702    1395.610      6.617       0.000
STAN DEV           1.924      37.358      2.572       0.012
STAN ERR           0.278       5.392      0.371       0.002
COEF VAR            55.0       118.9       97.2       106.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               3.043      22.548      2.035       0.008
                   3.957      40.286      3.257       0.014

95 %               2.956      20.848      1.918       0.008
                   4.044      41.985      3.374       0.014

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               2.622      14.365      1.472       0.006
                   4.378      48.468      3.820       0.016

95 %               2.258       7.302      0.985       0.003
                   4.742      55.531      4.306       0.018

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           327.0      1530.1     1022.8      1218.1
    0.10            81.8       382.5      255.7       304.5
    0.15            36.3       170.0      113.6       135.3
    0.20            20.4        95.6       63.9        76.1
    0.25            13.1        61.2       40.9        48.7
    0.30             9.1        42.5       28.4        33.8

95 %    R
    0.05           464.4      2172.8     1452.4      1729.7
    0.10           116.1       543.2      363.1       432.4
    0.15            51.6       241.4      161.4       192.2
    0.20            29.0       135.8       90.8       108.1
    0.25            18.6        86.9       58.1        69.2
    0.30            12.9        60.4       40.3        48.0
```

```
VEG TYPE : 2    SPECIES : FORSPI    MICRO PLOT :

                                                 DRY
                HEIGHT       COVER   DENSITY    WEIGHT
--------------------------------------------------------
NUM. OBS             1           1         1         1
MEAN             4.000      80.000     1.000     0.003
VARIANCE         0.000       0.000     0.000     0.000
STAN DEV         0.000       0.000     0.000     0.000
STAN ERR         0.000       0.000     0.000     0.000
COEF VAR           0.0         0.0       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             4.000      80.000     1.000     0.003
                 4.000      80.000     1.000     0.003

95 %             4.000      80.000     1.000     0.003
                 4.000      80.000     1.000     0.003

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             4.000      80.000     1.000     0.003
                 4.000      80.000     1.000     0.003

95 %             4.000      80.000     1.000     0.003
                 4.000      80.000     1.000     0.003

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0         0.0       0.0       0.0
    0.10           0.0         0.0       0.0       0.0
    0.15           0.0         0.0       0.0       0.0
    0.20           0.0         0.0       0.0       0.0
    0.25           0.0         0.0       0.0       0.0
    0.30           0.0         0.0       0.0       0.0

95 %    R
    0.05           0.0         0.0       0.0       0.0
    0.10           0.0         0.0       0.0       0.0
    0.15           0.0         0.0       0.0       0.0
    0.20           0.0         0.0       0.0       0.0
    0.25           0.0         0.0       0.0       0.0
    0.30           0.0         0.0       0.0       0.0
```

```
VEG TYPE : 2   SPECIES : GUTSAR   MICRO PLOT :

                                                         DRY
               HEIGHT       COVER      DENSITY         WEIGHT
-------------------------------------------------------------
NUM. OBS           55          55           55             55
MEAN           13.909     126.745        3.745          0.082
VARIANCE       39.973   79573.119       83.971          0.033
STAN DEV        6.322     282.087        9.164          0.180
STAN ERR        0.853      38.037        1.236          0.024
COEF VAR         45.5       222.6        244.7          221.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           12.507      64.183        1.713          0.042
               15.311     189.308        5.778          0.122

95 %           12.238      52.194        1.324          0.034
               15.580     201.297        6.167          0.129

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           11.213       6.463       -0.162          0.005
               16.605     247.028        7.653          0.158

95 %           10.097     -43.360       -1.780         -0.027
               17.722     296.851        9.271          0.190

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       223.6      5360.3       6477.5         5289.5
     0.10        55.9      1340.1       1619.4         1322.4
     0.15        24.8       595.6        719.7          587.7
     0.20        14.0       335.0        404.8          330.6
     0.25         8.9       214.4        259.1          211.6
     0.30         6.2       148.9        179.9          146.9

95 %    R
     0.05       317.5      7611.6       9198.0         7511.0
     0.10        79.4      1902.9       2299.5         1877.8
     0.15        35.3       845.7       1022.0          834.6
     0.20        19.8       475.7        574.9          469.4
     0.25        12.7       304.5        367.9          300.4
     0.30         8.8       211.4        255.5          208.6
```

```
VEG TYPE : 2    SPECIES : HALGLO    MICRO PLOT :

                                                     DRY
                  HEIGHT       COVER     DENSITY    WEIGHT
----------------------------------------------------------
NUM. OBS               1           1           1         1
MEAN              12.000     100.000      20.000     0.118
VARIANCE           0.000       0.000       0.000     0.000
STAN DEV           0.000       0.000       0.000     0.000
STAN ERR           0.000       0.000       0.000     0.000
COEF VAR             0.0         0.0         0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              12.000     100.000      20.000     0.118
                  12.000     100.000      20.000     0.118

95 %              12.000     100.000      20.000     0.118
                  12.000     100.000      20.000     0.118

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              12.000     100.000      20.000     0.118
                  12.000     100.000      20.000     0.118

95 %              12.000     100.000      20.000     0.118
                  12.000     100.000      20.000     0.118

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         0.0         0.0         0.0       0.0
     0.10         0.0         0.0         0.0       0.0
     0.15         0.0         0.0         0.0       0.0
     0.20         0.0         0.0         0.0       0.0
     0.25         0.0         0.0         0.0       0.0
     0.30         0.0         0.0         0.0       0.0

95 %    R
     0.05         0.0         0.0         0.0       0.0
     0.10         0.0         0.0         0.0       0.0
     0.15         0.0         0.0         0.0       0.0
     0.20         0.0         0.0         0.0       0.0
     0.25         0.0         0.0         0.0       0.0
     0.30         0.0         0.0         0.0       0.0
```

```
VEG TYPE : 2   SPECIES : HILJAM   MICRO PLOT :

                                                    DRY
               HEIGHT      COVER    DENSITY      WEIGHT
-------------------------------------------------------
NUM. OBS           33          33         33          33
MEAN           10.545     302.727     27.879       2.862
VARIANCE       14.756217682.955    1928.297     256.078
STAN DEV        3.841     466.565     43.912      16.002
STAN ERR        0.669      81.219      7.644       2.786
COEF VAR         36.4       154.1      157.5       559.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            9.446     169.139     15.306      -1.720
               11.645     436.316     40.452       7.444

95 %            9.235     143.539     12.896      -2.598
               11.856     461.916     42.861       8.322

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            8.431      45.891      3.706      -5.947
               12.660     559.563     52.052      11.671

95 %            7.555     -60.493     -6.307      -9.596
               13.536     665.948     62.065      15.320

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       143.6      2570.4     2684.8     33824.1
     0.10        35.9       642.6      671.2      8456.0
     0.15        16.0       285.6      298.3      3758.2
     0.20         9.0       160.7      167.8      2114.0
     0.25         5.7       102.8      107.4      1353.0
     0.30         4.0        71.4       74.6       939.6

95 %    R
     0.05       203.9      3650.0     3812.4     48030.0
     0.10        51.0       912.5      953.1     12007.5
     0.15        22.7       405.6      423.6      5336.7
     0.20        12.7       228.1      238.3      3001.9
     0.25         8.2       146.0      152.5      1921.2
     0.30         5.7       101.4      105.9      1334.2
```

```
                                                      DRY
               HEIGHT      COVER   DENSITY        WEIGHT
-------------------------------------------------------
NUM. OBS            4          4          4            4
MEAN            6.750     48.750      1.000        0.036
VARIANCE       24.917   3039.583      0.000        0.001
STAN DEV        4.992     55.132      0.000        0.035
STAN ERR        2.496     27.566      0.000        0.017
COEF VAR         74.0      113.1        0.0         96.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            1.429    -10.021      1.000       -0.001
               12.071    107.521      1.000        0.073

95 %           -0.178    -27.774      1.000       -0.012
               13.678    125.274      1.000        0.084

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           -1.143    -38.422      1.000       -0.019
               14.643    135.922      1.000        0.091

95 %           -4.412    -74.530      1.000       -0.042
               17.912    172.030      1.000        0.114

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05        591.8     1384.0        0.0       1015.9
    0.10        147.9      346.0        0.0        254.0
    0.15         65.8      153.8        0.0        112.9
    0.20         37.0       86.5        0.0         63.5
    0.25         23.7       55.4        0.0         40.6
    0.30         16.4       38.4        0.0         28.2

95 %    R
    0.05        840.3     1965.3        0.0       1442.6
    0.10        210.1      491.3        0.0        360.6
    0.15         93.4      218.4        0.0        160.3
    0.20         52.5      122.8        0.0         90.2
    0.25         33.6       78.6        0.0         57.7
    0.30         23.3       54.6        0.0         40.1
```

```
VEG TYPE : 2   SPECIES : JUNOST   MICRO PLOT :

                                                         DRY
                 HEIGHT       COVER    DENSITY         WEIGHT
----------------------------------------------------------------
NUM. OBS             21          47         19             16
MEAN            158.286    9860.426      1.211         17.340
VARIANCE  14869.714**********            0.287        343.596
STAN DEV        121.941   11079.188      0.535         18.536
STAN ERR         26.610    1616.066      0.123          4.634
COEF VAR           77.0       112.4       44.2          106.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            112.490    7202.321      0.998          9.249
                204.081   12518.530      1.423         25.431

95 %            102.937    6692.937      0.953          7.516
                213.634   13027.914      1.468         27.165

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             74.138    4749.973      0.822          2.686
                242.433   14970.878      1.599         31.995

95 %             39.283    2633.154      0.661         -3.384
                277.288   17087.697      1.760         38.065

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         642.3      1366.2      211.6         1236.6
     0.10         160.6       341.5       52.9          309.1
     0.15          71.4       151.8       23.5          137.4
     0.20          40.1        85.4       13.2           77.3
     0.25          25.7        54.6        8.5           49.5
     0.30          17.8        37.9        5.9           34.3

95 %    R
     0.05         912.0      1940.0      300.5         1755.9
     0.10         228.0       485.0       75.1          439.0
     0.15         101.3       215.6       33.4          195.1
     0.20          57.0       121.2       18.8          109.7
     0.25          36.5        77.6       12.0           70.2
     0.30          25.3        53.9        8.3           48.8
```

```
VEG TYPE : 2   SPECIES : LITTER   MICRO PLOT :

                                                   DRY
              HEIGHT      COVER    DENSITY      WEIGHT
-------------------------------------------------------
NUM. OBS           0        100          0           2
MEAN           0.000   4777.480      0.000       0.005
VARIANCE       0.000**********       0.000       0.000
STAN DEV       0.000   9583.768      0.000       0.007
STAN ERR       0.000    958.377      0.000       0.005
COEF VAR         0.0      200.6        0.0       141.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           0.000   3201.142      0.000      -0.010
               0.000   6353.818      0.000       0.020

95 %           0.000   2899.062      0.000      -0.017
               0.000   6655.898      0.000       0.027

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           0.000   1746.824      0.000      -0.011
               0.000   7808.136      0.000       0.021

95 %           0.000    491.485      0.000      -0.017
               0.000   9063.475      0.000       0.027

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        0.0       4354.7        0.0      2164.3
     0.10        0.0       1088.7        0.0       541.1
     0.15        0.0        483.9        0.0       240.5
     0.20        0.0        272.2        0.0       135.3
     0.25        0.0        174.2        0.0        86.6
     0.30        0.0        121.0        0.0        60.1

95 %    R
     0.05        0.0       6183.7        0.0      3073.3
     0.10        0.0       1545.9        0.0       768.3
     0.15        0.0        687.1        0.0       341.5
     0.20        0.0        386.5        0.0       192.1
     0.25        0.0        247.3        0.0       122.9
     0.30        0.0        171.8        0.0        85.4
```

```
VEG TYPE : 2   SPECIES : MULASP   MICRO PLOT :

                                                         DRY
                   HEIGHT       COVER     DENSITY      HEIGHT
-----------------------------------------------------------------
NUM. OBS                1           1           1           1
MEAN                6.000     130.000       2.000       0.059
VARIANCE            0.000       0.000       0.000       0.000
STAN DEV            0.000       0.000       0.000       0.000
STAN ERR            0.000       0.000       0.000       0.000
COEF VAR              0.0         0.0         0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                6.000     130.000       2.000       0.059
                    6.000     130.000       2.000       0.059

95 %                6.000     130.000       2.000       0.059
                    6.000     130.000       2.000       0.059

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                6.000     130.000       2.000       0.059
                    6.000     130.000       2.000       0.059

95 %                6.000     130.000       2.000       0.059
                    6.000     130.000       2.000       0.059

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05             0.0         0.0         0.0         0.0
     0.10             0.0         0.0         0.0         0.0
     0.15             0.0         0.0         0.0         0.0
     0.20             0.0         0.0         0.0         0.0
     0.25             0.0         0.0         0.0         0.0
     0.30             0.0         0.0         0.0         0.0

95 %    R
     0.05             0.0         0.0         0.0         0.0
     0.10             0.0         0.0         0.0         0.0
     0.15             0.0         0.0         0.0         0.0
     0.20             0.0         0.0         0.0         0.0
     0.25             0.0         0.0         0.0         0.0
     0.30             0.0         0.0         0.0         0.0
```

```
VEG TYPE : 2   SPECIES : OPOSPP   MICRO PLOT :

                                                          DRY
                   HEIGHT        COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS                2            2          2           0
MEAN                5.500       65.000      1.000       0.000
VARIANCE            4.500     1250.000      0.000       0.000
STAN DEV            2.121       35.355      0.000       0.000
STAN ERR            1.500       25.000      0.000       0.000
COEF VAR             38.6         54.4        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                1.120       -8.000      1.000       0.000
                    9.880      138.000      1.000       0.000

95 %               -0.955      -42.575      1.000       0.000
                   11.955      172.575      1.000       0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                0.757      -14.057      1.000       0.000
                   10.243      144.057      1.000       0.000

95 %               -1.208      -46.804      1.000       0.000
                   12.208      176.804      1.000       0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          161.0        320.2        0.0         0.0
     0.10           40.2         80.0        0.0         0.0
     0.15           17.9         35.6        0.0         0.0
     0.20           10.1         20.0        0.0         0.0
     0.25            6.4         12.8        0.0         0.0
     0.30            4.5          8.9        0.0         0.0

95 %    R
     0.05          228.6        454.6        0.0         0.0
     0.10           57.1        113.7        0.0         0.0
     0.15           25.4         50.5        0.0         0.0
     0.20           14.3         28.4        0.0         0.0
     0.25            9.1         18.2        0.0         0.0
     0.30            6.3         12.6        0.0         0.0
```

```
VEG TYPE : 2   SPECIES : ORYHYM   MICRO PLOT :

                                                       DRY
                 HEIGHT       COVER    DENSITY       WEIGHT
---------------------------------------------------------------
NUM. OBS            54           54         54           53
MEAN            19.667      107.648      3.241        0.110
VARIANCE        68.075    73492.497     11.356        0.094
STAN DEV         8.251      271.095      3.370        0.307
STAN ERR         1.123       36.891      0.459        0.042
COEF VAR          42.0        251.8      104.0        278.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            17.820       46.969      2.486        0.041
                21.513      168.327      3.995        0.180

95 %            17.466       35.341      2.342        0.028
                21.867      179.955      4.140        0.193

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            16.116       -9.013      1.791       -0.023
                23.217      224.309      4.691        0.244

95 %            14.645      -57.335      1.190       -0.078
                24.688      272.631      5.292        0.299

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        190.5       6803.0     1170.1       8371.4
     0.10         47.6       1715.8      292.5       2092.9
     0.15         21.2        702.6      130.0        930.2
     0.20         11.9        428.9       73.1        523.2
     0.25          7.6        274.5       46.8        334.9
     0.30          5.3        190.6       32.5        232.5

95 %    R
     0.05        270.5       9745.5     1661.5      11887.4
     0.10         67.6       2436.4      415.4       2971.8
     0.15         30.1       1082.8      184.6       1320.8
     0.20         16.9        609.1      103.8        743.0
     0.25         10.8        389.8       66.5        475.5
     0.30          7.5        270.7       46.2        330.2
```

```
VEG TYPE : 2   SPECIES : POASAN   MICRO PLOT :

                                                 DRY
                HEIGHT      COVER   DENSITY    HEIGHT
-----------------------------------------------------
NUM. OBS             1          1         1         1
MEAN             7.000      2.000     3.000     0.006
VARIANCE         0.000      0.000     0.000     0.000
STAN DEV         0.000      0.000     0.000     0.000
STAN ERR         0.000      0.000     0.000     0.000
COEF VAR           0.0        0.0       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             7.000      2.000     3.000     0.006
                 7.000      2.000     3.000     0.006

95 %             7.000      2.000     3.000     0.006
                 7.000      2.000     3.000     0.006

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             7.000      2.000     3.000     0.006
                 7.000      2.000     3.000     0.006

95 %             7.000      2.000     3.000     0.006
                 7.000      2.000     3.000     0.006

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0        0.0       0.0       0.0
    0.10           0.0        0.0       0.0       0.0
    0.15           0.0        0.0       0.0       0.0
    0.20           0.0        0.0       0.0       0.0
    0.25           0.0        0.0       0.0       0.0
    0.30           0.0        0.0       0.0       0.0

95 %    R
    0.05           0.0        0.0       0.0       0.0
    0.10           0.0        0.0       0.0       0.0
    0.15           0.0        0.0       0.0       0.0
    0.20           0.0        0.0       0.0       0.0
    0.25           0.0        0.0       0.0       0.0
    0.30           0.0        0.0       0.0       0.0
```

```
VEG TYPE : 2   SPECIES : PHLOXP   MICRO PLOT :

                                                           DRY
                 HEIGHT       COVER    DENSITY          WEIGHT
------------------------------------------------------------------
NUM. OBS              6           6          6
MEAN              4.833      15.000      1.000               5
VARIANCE         25.367     535.200      0.000           0.006
STAN DEV          5.037      23.134      0.000           0.000
STAN ERR          2.056       9.445      0.000           0.008
COEF VAR          104.2       154.2        0.0           0.003
                                                         125.7

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.838      -3.351      1.000          -0.001
                  8.828      33.351      1.000           0.013

95 %             -0.198      -8.111      1.000          -0.003
                  9.865      38.111      1.000           0.015

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -1.669     -14.866      1.000          -0.005
                 11.335      44.866      1.000           0.017

95 %             -4.362     -27.237      1.000          -0.009
                 14.029      57.237      1.000           0.022

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        1175.0      2574.1        0.0          1708.8
     0.10         293.8       643.5        0.0           427.2
     0.15         130.6       286.0        0.0           189.9
     0.20          73.4       160.9        0.0           106.8
     0.25          47.0       103.0        0.0            68.4
     0.30          32.6        71.5        0.0            47.5

95 %    R
     0.05        1668.6      3655.2        0.0          2426.5
     0.10         417.1       913.8        0.0           606.6
     0.15         185.4       406.1        0.0           269.6
     0.20         104.3       228.4        0.0           151.7
     0.25          66.7       146.2        0.0            97.1
     0.30          46.3       101.5        0.0            67.4
```

```
VEG TYPE : 2   SPECIES : POAFEN   MICRO PLOT :

                                                   DRY
                 HEIGHT     COVER   DENSITY     WEIGHT
--------------------------------------------------------
NUM. OBS              1         1         1          1
MEAN             37.000     2.000     1.000      0.002
VARIANCE          0.000     0.000     0.000      0.000
STAN DEV          0.000     0.000     0.000      0.000
STAN ERR          0.000     0.000     0.000      0.000
COEF VAR            0.0       0.0       0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             37.000     2.000     1.000      0.002
                 37.000     2.000     1.000      0.002

95 %             37.000     2.000     1.000      0.002
                 37.000     2.000     1.000      0.002

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             37.000     2.000     1.000      0.002
                 37.000     2.000     1.000      0.002

95 %             37.000     2.000     1.000      0.002
                 37.000     2.000     1.000      0.002

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0       0.0       0.0        0.0
     0.10           0.0       0.0       0.0        0.0
     0.15           0.0       0.0       0.0        0.0
     0.20           0.0       0.0       0.0        0.0
     0.25           0.0       0.0       0.0        0.0
     0.30           0.0       0.0       0.0        0.0

95 %    R
     0.05           0.0       0.0       0.0        0.0
     0.10           0.0       0.0       0.0        0.0
     0.15           0.0       0.0       0.0        0.0
     0.20           0.0       0.0       0.0        0.0
     0.25           0.0       0.0       0.0        0.0
     0.30           0.0       0.0       0.0        0.0
```

```
VEG TYPE : 2   SPECIES : POASAN   MICRO PLOT :

                                                          DRY
                 HEIGHT      COVER    DENSITY        WEIGHT
--------------------------------------------------------------
NUM. OBS              5          5          5             5
MEAN             15.600     40.000      2.000         0.010
VARIANCE        124.300   1350.000      1.500         0.000
STAN DEV         11.149     36.742      1.225         0.015
STAN ERR          4.986     16.432      0.548         0.007
COEF VAR           71.5       91.9       61.2         146.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              5.553      6.890      0.896        -0.003
                 25.647     73.110      3.104         0.023

95 %              2.781     -2.246      0.592        -0.007
                 28.419     82.246      3.408         0.027

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -0.167    -11.962      0.268        -0.011
                 31.367     91.962      3.732         0.031

95 %             -6.698    -33.485     -0.449        -0.019
                 37.898    113.485      4.449         0.039

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
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NORMALITY IS ASSUMED

90 %    R
      0.05       552.7      913.1      405.8      2332.0
      0.10       138.2      228.3      101.5       583.0
      0.15        61.4      101.5       45.1       259.1
      0.20        34.5       57.1       25.4       145.8
      0.25        22.1       36.5       16.2        93.3
      0.30        15.4       25.4       11.3        64.8

95 %    R
      0.05       784.9     1296.5      576.2      3311.5
      0.10       196.2      324.1      144.1       827.9
      0.15        87.2      144.1       64.0       367.9
      0.20        49.1       81.0       36.0       207.0
      0.25        31.4       51.9       23.0       132.5
      0.30        21.8       36.0       16.0        92.0
```

```
VEG TYPE : 2   SPECIES : SALKAL   MICRO PLOT :

                                                     DRY
                  HEIGHT       COVER    DENSITY     WEIGHT
-------------------------------------------------------------
NUM. OBS              1            1          1          1
MEAN              6.000       10.000      1.000      0.001
VARIANCE          0.000        0.000      0.000      0.000
STAN DEV          0.000        0.000      0.000      0.000
STAN ERR          0.000        0.000      0.000      0.000
COEF VAR            0.0          0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              6.000       10.000      1.000      0.001
                  6.000       10.000      1.000      0.001

95 %              6.000       10.000      1.000      0.001
                  6.000       10.000      1.000      0.001

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              6.000       10.000      1.000      0.001
                  6.000       10.000      1.000      0.001

95 %              6.000       10.000      1.000      0.001
                  6.000       10.000      1.000      0.001

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0          0.0        0.0        0.0
    0.10            0.0          0.0        0.0        0.0
    0.15            0.0          0.0        0.0        0.0
    0.20            0.0          0.0        0.0        0.0
    0.25            0.0          0.0        0.0        0.0
    0.30            0.0          0.0        0.0        0.0

95 %    R
    0.05            0.0          0.0        0.0        0.0
    0.10            0.0          0.0        0.0        0.0
    0.15            0.0          0.0        0.0        0.0
    0.20            0.0          0.0        0.0        0.0
    0.25            0.0          0.0        0.0        0.0
    0.30            0.0          0.0        0.0        0.0
```

```
VEG TYPE : 2   SPECIES : SENECO   MICRO PLOT :

                                                          DRY
                  HEIGHT      COVER    DENSITY       WEIGHT
-------------------------------------------------------------
NUM. OBS               2           2          2            2
MEAN              16.500     275.000      6.500        0.249
VARIANCE           4.500    1250.000      0.500        0.001
STAN DEV           2.121      35.355      0.707        0.030
STAN ERR           1.500      25.000      0.500        0.021
COEF VAR            12.9        12.9       10.9         11.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              12.120     202.000      5.040        0.188
                  20.880     348.000      7.960        0.310

95 %              10.046     167.425      4.349        0.159
                  22.955     382.575      8.652        0.339

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              11.757     195.943      4.919        0.183
                  21.243     354.057      8.081        0.315

95 %               9.792     163.196      4.264        0.155
                  23.208     386.804      8.736        0.343

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05          17.9        17.9       12.8         15.4
      0.10           4.5         4.5        3.2          3.8
      0.15           2.0         2.0        1.4          1.7
      0.20           1.1         1.1        0.8          1.0
      0.25           0.7         0.7        0.5          0.6
      0.30           0.5         0.5        0.4          0.4

95 %    R
      0.05          25.4        25.4       18.2         21.9
      0.10           6.3         6.3        4.5          5.5
      0.15           2.8         2.8        2.0          2.4
      0.20           1.6         1.6        1.1          1.4
      0.25           1.0         1.0        0.7          0.9
      0.30           0.7         0.7        0.5          0.6
```

```
VEG TYPE : 2   SPECIES : SITHYS   MICRO PLOT :

                                                        DRY
                   HEIGHT      COVER   DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS                3          3          3           3
MEAN               24.000     33.333      2.000       0.031
VARIANCE           49.000     33.333      1.000       0.000
STAN DEV            7.000      5.774      1.000       0.019
STAN ERR            4.041      3.333      0.577       0.011
COEF VAR             29.2       17.3       50.0        60.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               14.490     25.490      0.641       0.005
                   33.510     41.177      3.359       0.057

95 %               11.140     22.727      0.163      -0.004
                   36.860     43.940      3.837       0.066

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               11.220     22.792      0.174      -0.003
                   36.780     43.874      3.826       0.066

95 %                5.926     18.426     -0.582      -0.018
                   42.074     48.240      4.582       0.080

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05           92.1       32.5      270.5       399.4
      0.10           23.0        8.1       67.6        99.8
      0.15           10.2        3.6       30.1        44.4
      0.20            5.8        2.0       16.9        25.0
      0.25            3.7        1.3       10.8        16.0
      0.30            2.6        0.9        7.5        11.1

95 %    R
      0.05          130.7       46.1      384.2       567.1
      0.10           32.7       11.5       96.0       141.8
      0.15           14.5        5.1       42.7        63.0
      0.20            8.2        2.9       24.0        35.4
      0.25            5.2        1.8       15.4        22.7
      0.30            3.6        1.3       10.7        15.8
```

```
VEG TYPE : 2   SPECIES : SOLRIG   MICRO PLOT :

                                                        DRY
                  HEIGHT      COVER    DENSITY       WEIGHT
-----------------------------------------------------------
NUM. OBS               7          8          8            8
MEAN              18.857     63.625      2.000        0.042
VARIANCE         291.476   3265.125      1.429        0.001
STAN DEV          17.073     57.141      1.195        0.027
STAN ERR           6.453     20.202      0.423        0.010
COEF VAR           90.5       89.8       59.8         63.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               6.629     26.048      1.214        0.025
                  31.085    101.202      2.786        0.060

95 %               3.596     17.038      1.026        0.020
                  34.118    110.212      2.974        0.064

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              -1.549     -0.261      0.664        0.012
                  39.263    127.511      3.336        0.072

95 %             -10.001    -26.723      0.110       -0.000
                  47.715    153.973      3.890        0.085

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          887.0      872.8      386.5        435.6
    0.10          221.8      218.2       96.6        108.9
    0.15           98.6       97.0       42.9         48.4
    0.20           55.4       54.6       24.2         27.2
    0.25           35.5       34.9       15.5         17.4
    0.30           24.6       24.2       10.7         12.1

95 %    R
    0.05         1259.6     1239.4      548.8        618.6
    0.10          314.9      309.9      137.2        154.6
    0.15          140.0      137.7       61.0         68.7
    0.20           78.7       77.5       34.3         38.7
    0.25           50.4       49.6       22.0         24.7
    0.30           35.0       34.4       15.2         17.2
```

```
VEG TYPE : 2    SPECIES : SPHEAR    MICRO PLOT :

                                                   DRY
                  HEIGHT      COVER   DENSITY    WEIGHT
----------------------------------------------------------
NUM. OBS              1           1         1          1
MEAN             10.000      20.000     1.000      0.007
VARIANCE          0.000       0.000     0.000      0.000
STAN DEV          0.000       0.000     0.000      0.000
STAN ERR          0.000       0.000     0.000      0.000
COEF VAR            0.0         0.0       0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             10.000      20.000     1.000      0.007
                 10.000      20.000     1.000      0.007

95 %             10.000      20.000     1.000      0.007
                 10.000      20.000     1.000      0.007

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             10.000      20.000     1.000      0.007
                 10.000      20.000     1.000      0.007

95 %             10.000      20.000     1.000      0.007
                 10.000      20.000     1.000      0.007

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05          0.0         0.0       0.0        0.0
      0.10          0.0         0.0       0.0        0.0
      0.15          0.0         0.0       0.0        0.0
      0.20          0.0         0.0       0.0        0.0
      0.25          0.0         0.0       0.0        0.0
      0.30          0.0         0.0       0.0        0.0

95 %    R
      0.05          0.0         0.0       0.0        0.0
      0.10          0.0         0.0       0.0        0.0
      0.15          0.0         0.0       0.0        0.0
      0.20          0.0         0.0       0.0        0.0
      0.25          0.0         0.0       0.0        0.0
      0.30          0.0         0.0       0.0        0.0
```

```
VEG TYPE : 2   SPECIES : STALIT   MICRO PLOT : 01

                                                          DRY
                HEIGHT       COVER      DENSITY         WEIGHT
----------------------------------------------------------------
NUM. OBS             0            1           0             23
MEAN             0.000       50.000       0.000          0.029
VARIANCE         0.000        0.000       0.000          0.002
STAN DEV         0.000        0.000       0.000          0.046
STAN ERR         0.000        0.000       0.000          0.010
COEF VAR           0.0          0.0         0.0          160.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000       50.000       0.000          0.012
                 0.000       50.000       0.000          0.045

95 %             0.000       50.000       0.000          0.009
                 0.000       50.000       0.000          0.049

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000       50.000       0.000         -0.002
                 0.000       50.000       0.000          0.059

95 %             0.000       50.000       0.000         -0.014
                 0.000       50.000       0.000          0.072

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0          0.0         0.0         2780.5
     0.10          0.0          0.0         0.0          695.1
     0.15          0.0          0.0         0.0          308.9
     0.20          0.0          0.0         0.0          173.8
     0.25          0.0          0.0         0.0          111.2
     0.30          0.0          0.0         0.0           77.2

95 %    R
     0.05          0.0          0.0         0.0         3948.3
     0.10          0.0          0.0         0.0          987.1
     0.15          0.0          0.0         0.0          438.7
     0.20          0.0          0.0         0.0          246.8
     0.25          0.0          0.0         0.0          157.9
     0.30          0.0          0.0         0.0          109.7
```

```
VEG TYPE : 2   SPECIES : STALIT   MICRO PLOT : 02

                                                     DRY
                HEIGHT       COVER   DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS             0           0         0          10
MEAN             0.000       0.000     0.000       0.014
VARIANCE         0.000       0.000     0.000       0.000
STAN DEV         0.000       0.000     0.000       0.011
STAN ERR         0.000       0.000     0.000       0.003
COEF VAR           0.0         0.0       0.0        76.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000       0.000     0.000       0.008
                 0.000       0.000     0.000       0.021

95 %             0.000       0.000     0.000       0.007
                 0.000       0.000     0.000       0.022

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000       0.000     0.000       0.003
                 0.000       0.000     0.000       0.025

95 %             0.000       0.000     0.000      -0.001
                 0.000       0.000     0.000       0.030

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0         0.0       0.0       635.8
    0.10           0.0         0.0       0.0       158.9
    0.15           0.0         0.0       0.0        70.6
    0.20           0.0         0.0       0.0        39.7
    0.25           0.0         0.0       0.0        25.4
    0.30           0.0         0.0       0.0        17.7

95 %    R
    0.05           0.0         0.0       0.0       902.8
    0.10           0.0         0.0       0.0       225.7
    0.15           0.0         0.0       0.0       100.3
    0.20           0.0         0.0       0.0        56.4
    0.25           0.0         0.0       0.0        36.1
    0.30           0.0         0.0       0.0        25.1
```

```
VEG TYPE : 2   SPECIES : STICOM   MICRO PLOT :

                                                     DRY
                HEIGHT      COVER    DENSITY      WEIGHT
---------------------------------------------------------
NUM. OBS             1          1          1           1
MEAN            18.000     40.000      3.000       0.013
VARIANCE         0.000      0.000      0.000       0.000
STAN DEV         0.000      0.000      0.000       0.000
STAN ERR         0.000      0.000      0.000       0.000
COEF VAR           0.0        0.0        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            18.000     40.000      3.000       0.013
                18.000     40.000      3.000       0.013

95 %            18.000     40.000      3.000       0.013
                18.000     40.000      3.000       0.013

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            18.000     40.000      3.000       0.013
                18.000     40.000      3.000       0.013

95 %            18.000     40.000      3.000       0.013
                18.000     40.000      3.000       0.013

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          0.0        0.0        0.0         0.0
    0.10          0.0        0.0        0.0         0.0
    0.15          0.0        0.0        0.0         0.0
    0.20          0.0        0.0        0.0         0.0
    0.25          0.0        0.0        0.0         0.0
    0.30          0.0        0.0        0.0         0.0

95 %    R
    0.05          0.0        0.0        0.0         0.0
    0.10          0.0        0.0        0.0         0.0
    0.15          0.0        0.0        0.0         0.0
    0.20          0.0        0.0        0.0         0.0
    0.25          0.0        0.0        0.0         0.0
    0.30          0.0        0.0        0.0         0.0
```

```
VEG TYPE : 2   SPECIES : TETSPI   MICRO PLOT :

                                                    DRY
                   HEIGHT      COVER   DENSITY    WEIGHT
----------------------------------------------------------
NUM. OBS                1          1          1          1
MEAN               30.000    150.000      1.000      0.117
VARIANCE            0.000      0.000      0.000      0.000
STAN DEV            0.000      0.000      0.000      0.000
STAN ERR            0.000      0.000      0.000      0.000
COEF VAR              0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               30.000    150.000      1.000      0.117
                   30.000    150.000      1.000      0.117

95 %               30.000    150.000      1.000      0.117
                   30.000    150.000      1.000      0.117

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               30.000    150.000      1.000      0.117
                   30.000    150.000      1.000      0.117

95 %               30.000    150.000      1.000      0.117
                   30.000    150.000      1.000      0.117

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05              0.0        0.0        0.0        0.0
    0.10              0.0        0.0        0.0        0.0
    0.15              0.0        0.0        0.0        0.0
    0.20              0.0        0.0        0.0        0.0
    0.25              0.0        0.0        0.0        0.0
    0.30              0.0        0.0        0.0        0.0

95 %    R
    0.05              0.0        0.0        0.0        0.0
    0.10              0.0        0.0        0.0        0.0
    0.15              0.0        0.0        0.0        0.0
    0.20              0.0        0.0        0.0        0.0
    0.25              0.0        0.0        0.0        0.0
    0.30              0.0        0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : AGRSMI   MICRO PLOT :

                                                    DRY
                HEIGHT      COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS             1          1          1           1
MEAN            23.000     30.000      2.000       0.050
VARIANCE         0.000      0.000      0.000       0.000
STAN DEV         0.000      0.000      0.000       0.000
STAN ERR         0.000      0.000      0.000       0.000
COEF VAR           0.0        0.0        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            23.000     30.000      2.000       0.050
                23.000     30.000      2.000       0.050

95 %            23.000     30.000      2.000       0.050
                23.000     30.000      2.000       0.050

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            23.000     30.000      2.000       0.050
                23.000     30.000      2.000       0.050

95 %            23.000     30.000      2.000       0.050
                23.000     30.000      2.000       0.050

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0        0.0        0.0         0.0
    0.10           0.0        0.0        0.0         0.0
    0.15           0.0        0.0        0.0         0.0
    0.20           0.0        0.0        0.0         0.0
    0.25           0.0        0.0        0.0         0.0
    0.30           0.0        0.0        0.0         0.0

95 %    R
    0.05           0.0        0.0        0.0         0.0
    0.10           0.0        0.0        0.0         0.0
    0.15           0.0        0.0        0.0         0.0
    0.20           0.0        0.0        0.0         0.0
    0.25           0.0        0.0        0.0         0.0
    0.30           0.0        0.0        0.0         0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : ARTLUD   MICRO PLOT :

                                                      DRY
                   HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS                7          7          7          7
MEAN                7.000    140.000      2.286      0.136
VARIANCE            6.333   8100.000      1.905      0.022
STAN DEV            2.517     90.000      1.380      0.147
STAN ERR            0.951     34.017      0.522      0.056
COEF VAR             36.0       64.3       60.4      108.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                5.197     75.538      1.297      0.031
                    8.803    204.462      3.274      0.242

95 %                4.750     59.550      1.052      0.004
                    9.250    220.450      3.519      0.268

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                3.992     32.429      0.636     -0.040
                   10.008    247.571      3.935      0.312

95 %                2.746    -12.128     -0.047     -0.113
                   11.254    292.128      4.619      0.385

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            139.9      447.2      394.5     1267.8
    0.10             35.0      111.8       98.6      317.0
    0.15             15.5       49.7       43.8      140.9
    0.20              8.7       28.0       24.7       79.2
    0.25              5.6       17.9       15.8       50.7
    0.30              3.9       12.4       11.0       35.2

95 %    R
    0.05            198.6      635.0      560.2     1800.3
    0.10             49.7      158.8      140.1      450.1
    0.15             22.1       70.6       62.2      200.0
    0.20             12.4       39.7       35.0      112.5
    0.25              7.9       25.4       22.4       72.0
    0.30              5.5       17.6       15.6       50.0
```

```
                                   SPECIES : ARTNOV    MICRO PLOT

                                                         DRY
                  HEIGHT       COVER    DENSITY        WEIGHT
------------------------------------------------------------------
NUM. OBS               7            9          7             7
MEAN               8.286      331.111      3.000         0.053
VARIANCE          11.571199561.111         4.000         0.001
STAN DEV           3.402      446.723      2.000         0.038
STAN ERR           1.286      148.908      0.756         0.014
COEF VAR            41.1        134.9       66.7          72.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               5.849       58.164      1.568         0.025
                  10.722      604.059      4.432         0.080

95 %               5.245       -5.718      1.212         0.019
                  11.326      667.940      4.788         0.087

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               4.220     -139.776      0.610         0.007
                  12.352      801.998      5.390         0.098

95 %               2.536     -334.824     -0.381        -0.012
                  14.036      997.046      6.381         0.117

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          182.4       1969.8      481.0         568.5
     0.10           45.6        492.4      120.2         142.1
     0.15           20.3        218.9       53.4          63.2
     0.20           11.4        123.1       30.1          35.5
     0.25            7.3         78.8       19.2          22.7
     0.30            5.1         54.7       13.4          15.8

95 %    R
     0.05          259.0       2797.1      683.0         807.3
     0.10           64.7        699.3      170.7         201.8
     0.15           28.8        310.8       75.9          89.7
     0.20           16.2        174.8       42.7          50.5
     0.25           10.4        111.9       27.3          32.3
     0.30            7.2         77.7       19.0          22.4
```

```
VEG TYPE : 2   SITE : 1   SPECIES : ARTTRI   MICRO PLOT :

                                                         DRY
                  HEIGHT       COVER     DENSITY       WEIGHT
-----------------------------------------------------------
NUM. OBS              1            1           1            1
MEAN             17.000        1.000       1.000        0.004
VARIANCE          0.000        0.000       0.000        0.000
STAN DEV          0.000        0.000       0.000        0.000
STAN ERR          0.000        0.000       0.000        0.000
COEF VAR            0.0          0.0         0.0          0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             17.000        1.000       1.000        0.004
                 17.000        1.000       1.000        0.004

95 %             17.000        1.000       1.000        0.004
                 17.000        1.000       1.000        0.004

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             17.000        1.000       1.000        0.004
                 17.000        1.000       1.000        0.004

95 %             17.000        1.000       1.000        0.004
                 17.000        1.000       1.000        0.004

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05          0.0          0.0         0.0          0.0
      0.10          0.0          0.0         0.0          0.0
      0.15          0.0          0.0         0.0          0.0
      0.20          0.0          0.0         0.0          0.0
      0.25          0.0          0.0         0.0          0.0
      0.30          0.0          0.0         0.0          0.0

95 %    R
      0.05          0.0          0.0         0.0          0.0
      0.10          0.0          0.0         0.0          0.0
      0.15          0.0          0.0         0.0          0.0
      0.20          0.0          0.0         0.0          0.0
      0.25          0.0          0.0         0.0          0.0
      0.30          0.0          0.0         0.0          0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : ASTSPP   MICRO PLOT :

                                                      DRY
                 HEIGHT      COVER    DENSITY       WEIGHT
------------------------------------------------------------
NUM, OBS              5           5          5           5
MEAN             13.600      88.800      2.000       0.060
VARIANCE         11.300    6565.200      1.000       0.002
STAN DEV          3.362      81.026      1.000       0.048
STAN ERR          1.503      36.236      0.447       0.022
COEF VAR           24.7        91.2       50.0        80.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             10.571      15.785      1.099       0.017
                 16.629     161.815      2.901       0.104

95 %              9.735      -4.362      0.850       0.005
                 17.465     181.962      3.150       0.116

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              8.846     -25.788      0.586      -0.008
                 18.354     203.388      3.414       0.129

95 %              6.877     -73.252     -0.000      -0.037
                 20.323     250.852      4.000       0.157

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          66.1       901.0      270.5       698.3
    0.10          16.5       225.2       67.6       174.6
    0.15           7.3       100.1       30.1        77.6
    0.20           4.1        56.3       16.9        43.6
    0.25           2.6        36.0       10.8        27.9
    0.30           1.8        25.0        7.5        19.4

95 %    R
    0.05          93.9      1279.4      384.2       991.6
    0.10          23.5       319.8       96.0       247.9
    0.15          10.4       142.2       42.7       110.2
    0.20           5.9        80.0       24.0        62.0
    0.25           3.8        51.2       15.4        39.7
    0.30           2.6        35.5       10.7        27.5
```

```
VEG TYPE : 2   SITE : 1   SPECIES : ATRCON   MICRO PLOT :

                                                      DRY
                HEIGHT      COVER    DENSITY      WEIGHT
---------------------------------------------------------
NUM. OBS             1          1          1           1
MEAN             6.000     20.000      1.000       0.016
VARIANCE         0.000      0.000      0.000       0.000
STAN DEV         0.000      0.000      0.000       0.000
STAN ERR         0.000      0.000      0.000       0.000
COEF VAR           0.0        0.0        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             6.000     20.000      1.000       0.016
                 6.000     20.000      1.000       0.016

95 %             6.000     20.000      1.000       0.016
                 6.000     20.000      1.000       0.016

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             6.000     20.000      1.000       0.016
                 6.000     20.000      1.000       0.016

95 %             6.000     20.000      1.000       0.016
                 6.000     20.000      1.000       0.016

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0        0.0        0.0         0.0
    0.10           0.0        0.0        0.0         0.0
    0.15           0.0        0.0        0.0         0.0
    0.20           0.0        0.0        0.0         0.0
    0.25           0.0        0.0        0.0         0.0
    0.30           0.0        0.0        0.0         0.0

95 %    R
    0.05           0.0        0.0        0.0         0.0
    0.10           0.0        0.0        0.0         0.0
    0.15           0.0        0.0        0.0         0.0
    0.20           0.0        0.0        0.0         0.0
    0.25           0.0        0.0        0.0         0.0
    0.30           0.0        0.0        0.0         0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : BARGRU   MICRO PLOT :

                                                   DRY
               HEIGHT      COVER    DENSITY    WEIGHT
------------------------------------------------------
NUM. OBS            0          20          0         0
MEAN            0.000 36262.600      0.000     0.000
VARIANCE        0.000**********      0.000     0.000
STAN DEV        0.000  5065.632      0.000     0.000
STAN ERR        0.000  1132.710      0.000     0.000
COEF VAR          0.0        14.0        0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            0.000 34308.676      0.000     0.000
                0.000 38216.524      0.000     0.000

95 %            0.000 33899.768      0.000     0.000
                0.000 38625.432      0.000     0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            0.000 32680.655      0.000     0.000
                0.000 39844.545      0.000     0.000

95 %            0.000 31196.964      0.000     0.000
                0.000 41328.236      0.000     0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          0.0        21.1        0.0       0.0
    0.10          0.0         5.3        0.0       0.0
    0.15          0.0         2.3        0.0       0.0
    0.20          0.0         1.3        0.0       0.0
    0.25          0.0         0.8        0.0       0.0
    0.30          0.0         0.6        0.0       0.0

95 %    R
    0.05          0.0        30.0        0.0       0.0
    0.10          0.0         7.5        0.0       0.0
    0.15          0.0         3.3        0.0       0.0
    0.20          0.0         1.9        0.0       0.0
    0.25          0.0         1.2        0.0       0.0
    0.30          0.0         0.8        0.0       0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : BOUGRA   MICRO PLOT :

                                                    DRY
                   HEIGHT      COVER   DENSITY    WEIGHT
----------------------------------------------------------
NUM. OBS              1           1          1         1
MEAN              6.000     130.000      4.000     0.046
VARIANCE          0.000       0.000      0.000     0.000
STAN DEV          0.000       0.000      0.000     0.000
STAN ERR          0.000       0.000      0.000     0.000
COEF VAR            0.0         0.0        0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              6.000     130.000      4.000     0.046
                  6.000     130.000      4.000     0.046

95 %              6.000     130.000      4.000     0.046
                  6.000     130.000      4.000     0.046

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              6.000     130.000      4.000     0.046
                  6.000     130.000      4.000     0.046

95 %              6.000     130.000      4.000     0.046
                  6.000     130.000      4.000     0.046

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05          0.0         0.0        0.0       0.0
      0.10          0.0         0.0        0.0       0.0
      0.15          0.0         0.0        0.0       0.0
      0.20          0.0         0.0        0.0       0.0
      0.25          0.0         0.0        0.0       0.0
      0.30          0.0         0.0        0.0       0.0

95 %    R
      0.05          0.0         0.0        0.0       0.0
      0.10          0.0         0.0        0.0       0.0
      0.15          0.0         0.0        0.0       0.0
      0.20          0.0         0.0        0.0       0.0
      0.25          0.0         0.0        0.0       0.0
      0.30          0.0         0.0        0.0       0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : CHRGRE   MICRO PLOT :

                                                    DRY
                  HEIGHT       COVER    DENSITY   WEIGHT
---------------------------------------------------------
NUM. OBS              2            2          2        2
MEAN             12.000        2.000      1.500    0.035
VARIANCE         18.000        0.000      0.500    0.000
STAN DEV          4.243        0.000      0.707    0.000
STAN ERR          3.000        0.000      0.500    0.000
COEF VAR           35.4          0.0       47.1      0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              3.240        2.000      0.040    0.035
                 20.760        2.000      2.960    0.035

95 %             -0.909        2.000     -0.652    0.035
                 24.909        2.000      3.652    0.035

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              2.513        2.000     -0.081    0.035
                 21.487        2.000      3.081    0.035

95 %             -1.416        2.000     -0.736    0.035
                 25.416        2.000      3.736    0.035

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         135.3          0.0      240.5      0.0
     0.10          33.8          0.0       60.1      0.0
     0.15          15.0          0.0       26.7      0.0
     0.20           8.5          0.0       15.0      0.0
     0.25           5.4          0.0        9.6      0.0
     0.30           3.8          0.0        6.7      0.0

95 %    R
     0.05         192.1          0.0      341.5      0.0
     0.10          48.0          0.0       85.4      0.0
     0.15          21.3          0.0       37.9      0.0
     0.20          12.0          0.0       21.3      0.0
     0.25           7.7          0.0       13.7      0.0
     0.30           5.3          0.0        9.5      0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : CHRVIS   MICRO PLOT :

                                                    DRY
                  HEIGHT      COVER    DENSITY    WEIGHT
------------------------------------------------------------
NUM. OBS             13          13         13        13
MEAN             10.154     277.692      5.154     0.172
VARIANCE         18.641   45735.897     25.474     0.038
STAN DEV          4.318     213.860      5.047     0.196
STAN ERR          1.197      59.314      1.400     0.054
COEF VAR           42.5        77.0       97.9     114.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              8.033     172.647      2.675     0.075
                 12.275     382.737      7.633     0.268

95 %              7.567     149.574      2.130     0.054
                 12.740     405.810      8.178     0.289

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              6.367      90.125      0.727    -0.000
                 13.941     465.260      9.581     0.344

95 %              4.799      12.432     -1.106    -0.072
                 15.509     542.953     11.414     0.415

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         195.7       641.8     1037.8    1413.3
     0.10          48.9       160.5      259.5     353.3
     0.15          21.7        71.3      115.3     157.0
     0.20          12.2        40.1       64.9      88.3
     0.25           7.8        25.7       41.5      56.5
     0.30           5.4        17.8       28.8      39.3

95 %    R
     0.05         277.8       911.4     1473.7    2006.9
     0.10          69.5       227.8      368.4     501.7
     0.15          30.9       101.3      163.7     223.0
     0.20          17.4        57.0       92.1     125.4
     0.25          11.1        36.5       58.9      80.3
     0.30           7.7        25.3       40.9      55.7
```

```
VEG TYPE : 2    SITE : 1    SPECIES : CHYGRE    MICRO PLOT :

                                                  DRY
               HEIGHT      COVER    DENSITY     WEIGHT
----------------------------------------------------------
NUM. OBS            1          1          1          1
MEAN            3.000     20.000      2.000      0.051
VARIANCE        0.000      0.000      0.000      0.000
STAN DEV        0.000      0.000      0.000      0.000
STAN ERR        0.000      0.000      0.000      0.000
COEF VAR          0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            3.000     20.000      2.000      0.051
                3.000     20.000      2.000      0.051

95 %            3.000     20.000      2.000      0.051
                3.000     20.000      2.000      0.051

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            3.000     20.000      2.000      0.051
                3.000     20.000      2.000      0.051

95 %            3.000     20.000      2.000      0.051
                3.000     20.000      2.000      0.051

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         0.0        0.0        0.0        0.0
     0.10         0.0        0.0        0.0        0.0
     0.15         0.0        0.0        0.0        0.0
     0.20         0.0        0.0        0.0        0.0
     0.25         0.0        0.0        0.0        0.0
     0.30         0.0        0.0        0.0        0.0

95 %    R
     0.05         0.0        0.0        0.0        0.0
     0.10         0.0        0.0        0.0        0.0
     0.15         0.0        0.0        0.0        0.0
     0.20         0.0        0.0        0.0        0.0
     0.25         0.0        0.0        0.0        0.0
     0.30         0.0        0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : CRUCIF   MICRO PLOT :

                                                    DRY
                 HEIGHT      COVER   DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS              3          3         3          3
MEAN             33.333      7.667     1.333      0.032
VARIANCE         33.333    114.333     0.333      0.001
STAN DEV          5.774     10.693     0.577      0.031
STAN ERR          3.333      6.173     0.333      0.018
COEF VAR           17.3      139.5      43.3       98.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             25.490     -6.859     0.549     -0.011
                 41.177     22.193     2.118      0.074

95 %             22.727    -11.977     0.273     -0.026
                 43.940     27.310     2.394      0.089

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             22.792    -11.855     0.279     -0.025
                 43.874     27.189     2.387      0.089

95 %             18.426    -19.942    -0.157     -0.049
                 48.240     35.275     2.824      0.112

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          32.5     2105.0     202.9     1051.5
     0.10           8.1      526.2      50.7      262.9
     0.15           3.6      233.9      22.5      116.8
     0.20           2.0      131.6      12.7       65.7
     0.25           1.3       84.2       8.1       42.1
     0.30           0.9       58.5       5.6       29.2

95 %    R
     0.05          46.1     2989.0     288.1     1493.1
     0.10          11.5      747.3      72.0      373.3
     0.15           5.1      332.1      32.0      165.9
     0.20           2.9      186.8      18.0       93.3
     0.25           1.8      119.6      11.5       59.7
     0.30           1.3       83.0       8.0       41.5
```

```
VEG TYPE : 2   SITE : 1   SPECIES : DISSPI   MICRO PLOT :

                  HEIGHT      COVER     DENSITY      DRY
                                                    WEIGHT
------------------------------------------------------------
NUM. OBS             4           4           4          4
MEAN             9.500     117.500      17.500      0.045
VARIANCE         1.000    5491.667      73.667      0.001
STAN DEV         1.000      74.106       8.583      0.030
STAN ERR         0.500      37.053       4.291      0.015
COEF VAR          10.5        63.1        49.0       65.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             8.434      38.503       8.351      0.014
                10.566     196.497      26.649      0.077

95 %             8.112      14.641       5.587      0.004
                10.888     220.359      29.413      0.086

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             7.919       0.328       3.929     -0.002
                11.081     234.672      31.071      0.092

95 %             7.264     -48.206      -1.692     -0.021
                11.736     283.206      36.692      0.112

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         12.0       430.4       260.3      465.6
     0.10          3.0       107.6        65.1      116.4
     0.15          1.3        47.8        28.9       51.7
     0.20          0.7        26.9        16.3       29.1
     0.25          0.5        17.2        10.4       18.6
     0.30          0.3        12.0         7.2       12.9
95 %    R
     0.05         17.0       611.2       369.6      661.1
     0.10          4.3       152.8        92.4      165.3
     0.15          1.9        67.9        41.1       73.5
     0.20          1.1        38.2        23.1       41.3
     0.25          0.7        24.4        14.8       26.4
     0.30          0.5        17.0        10.3       18.4
```

```
VEG TYPE : 2   SITE : 1   SPECIES : EPHVIR   MICRO PLOT :

                                                   DRY
                 HEIGHT      COVER    DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS              2          2          2          2
MEAN             19.500    500.000      1.000      0.083
VARIANCE        112.500320000.000      0.000      0.012
STAN DEV         10.607    565.685      0.000      0.112
STAN ERR          7.500    400.000      0.000      0.079
COEF VAR           54.4      113.1        0.0      134.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             -2.400   -668.000      1.000     -0.148
                 41.400   1668.000      1.000      0.314

95 %            -12.773  -1221.200      1.000     -0.257
                 51.773   2221.200      1.000      0.423

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -4.217   -764.912      1.000     -0.167
                 43.217   1764.912      1.000      0.333

95 %            -14.041  -1288.856      1.000     -0.270
                 53.041   2288.856      1.000      0.436

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         320.2     1385.1        0.0     1960.7
     0.10          80.0      346.3        0.0      490.2
     0.15          35.6      153.9        0.0      217.9
     0.20          20.0       86.6        0.0      122.5
     0.25          12.8       55.4        0.0       78.4
     0.30           8.9       38.5        0.0       54.5

95 %    R
     0.05         454.6     1966.9        0.0     2784.2
     0.10         113.7      491.7        0.0      696.0
     0.15          50.5      218.5        0.0      309.4
     0.20          28.4      122.9        0.0      174.0
     0.25          18.2       78.7        0.0      111.4
     0.30          12.6       54.6        0.0       77.3
```

```
VEG TYPE : 2   SITE : 1   SPECIES : ERIGSP   MICRO PLOT :

                                                  DRY
              HEIGHT      COVER    DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS          12         12         12         12
MEAN           5.917     75.000      3.500      0.029
VARIANCE      11.902   7747.273     12.818      0.001
STAN DEV       3.450     88.019      3.580      0.037
STAN ERR       0.996     25.409      1.034      0.011
COEF VAR        58.3      117.4      102.3      128.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           4.142     29.722      1.658      0.010
               7.691    120.278      5.342      0.048

95 %           3.747     19.634      1.248      0.006
               8.087    130.366      5.752      0.052

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           2.767     -5.350      0.232     -0.005
               9.066    155.350      6.768      0.063

95 %           1.463    -38.632     -1.122     -0.019
              10.370    188.632      8.122      0.077

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05      367.9     1490.4     1132.3     1787.4
     0.10       92.0      372.6      283.1      446.8
     0.15       40.9      165.6      125.8      198.6
     0.20       23.0       93.2       70.8      111.7
     0.25       14.7       59.6       45.3       71.5
     0.30       10.2       41.4       31.5       49.6

95 %    R
     0.05      522.4     2116.4     1607.9     2538.1
     0.10      130.6      529.1      402.0      634.5
     0.15       58.0      235.2      178.7      282.0
     0.20       32.7      132.3      100.5      158.6
     0.25       20.9       84.7       64.3      101.5
     0.30       14.5       58.8       44.7       70.5
```

```
VEG TYPE : 2   SITE : 1   SPECIES : ERISPP   MICRO PLOT :

                                                           DRY
                   HEIGHT      COVER    DENSITY         WEIGHT
--------------------------------------------------------------
NUM. OBS                7          7          7              7
MEAN                5.286     67.286      5.000          0.033
VARIANCE            6.571  14623.571     27.333          0.003
STAN DEV            2.563    120.928      5.228          0.056
STAN ERR            0.969     45.706      1.976          0.021
COEF VAR             48.5      179.7      104.6          167.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                3.450    -19.328      1.255         -0.007
                    7.122    153.899      8.745          0.073

95 %                2.994    -40.810      0.327         -0.017
                    7.577    175.382      9.673          0.083

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                2.222    -77.251     -1.249         -0.033
                    8.350    211.822     11.249          0.100

95 %                0.953   -137.120     -3.837         -0.061
                    9.619    271.691     13.837          0.128

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           254.5     3495.4     1183.1         3035.9
     0.10            63.6      873.8      295.8          759.0
     0.15            28.3      388.4      131.5          337.3
     0.20            15.9      218.5       73.9          189.7
     0.25            10.2      139.8       47.3          121.4
     0.30             7.1       97.1       32.9           84.3

95 %    R
     0.05           361.4     4963.4     1680.1         4310.9
     0.10            90.4     1240.9      420.0         1077.7
     0.15            40.2      551.5      186.7          479.0
     0.20            22.6      310.2      105.0          269.4
     0.25            14.5      198.5       67.2          172.4
     0.30            10.0      137.9       46.7          119.7
```

```
VEG TYPE : 2   SITE : 1   SPECIES : ERIGSP   MICRO PLOT :

                                                  DRY
                  HEIGHT      COVER    DENSITY    WEIGHT
-------------------------------------------------------
NUM. OBS              12         12         12        12
MEAN               5.917     75.000      3.500     0.029
VARIANCE          11.902   7747.273     12.818     0.001
STAN DEV           3.450     88.019      3.580     0.037
STAN ERR           0.996     25.409      1.034     0.011
COEF VAR            58.3      117.4      102.3     128.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               4.142     29.722      1.658     0.010
                   7.691    120.278      5.342     0.048

95 %               3.747     19.634      1.248     0.006
                   8.087    130.366      5.752     0.052

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               2.767     -5.350      0.232    -0.005
                   9.066    155.350      6.768     0.063

95 %               1.463    -38.632     -1.122    -0.019
                  10.370    188.632      8.122     0.077

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05           367.9     1490.4     1132.3    1787.4
    0.10            92.0      372.6      283.1     446.8
    0.15            40.9      165.6      125.8     198.6
    0.20            23.0       93.2       70.8     111.7
    0.25            14.7       59.6       45.3      71.5
    0.30            10.2       41.4       31.5      49.6

95 %   R
    0.05           522.4     2116.4     1607.9    2538.1
    0.10           130.6      529.1      402.0     634.5
    0.15            58.0      235.2      178.7     282.0
    0.20            32.7      132.3      100.5     158.6
    0.25            20.9       84.7       64.3     101.5
    0.30            14.5       58.8       44.7      70.5
```

```
VEG TYPE : 2    SITE : 1    SPECIES : ERISPP    MICRO PLOT :

                                                         DRY
                   HEIGHT       COVER     DENSITY     WEIGHT
-------------------------------------------------------------
NUM. OBS                7           7           7          7
MEAN                5.286      67.286       5.000      0.033
VARIANCE            6.571   14623.571      27.333      0.003
STAN DEV            2.563     120.928       5.228      0.056
STAN ERR            0.969      45.706       1.976      0.021
COEF VAR             48.5       179.7       104.6      167.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                3.450     -19.328       1.255     -0.007
                    7.122     153.899       8.745      0.073

95 %                2.994     -40.810       0.327     -0.017
                    7.577     175.382       9.673      0.083

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                2.222     -77.251      -1.249     -0.033
                    8.350     211.822      11.249      0.100

95 %                0.953    -137.120      -3.837     -0.061
                    9.619     271.691      13.837      0.128

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           254.5      3495.4      1183.1     3035.9
     0.10            63.6       873.8       295.8      759.0
     0.15            28.3       388.4       131.5      337.3
     0.20            15.9       218.5        73.9      189.7
     0.25            10.2       139.8        47.3      121.4
     0.30             7.1        97.1        32.9       84.3

95 %    R
     0.05           361.4      4963.4      1680.1     4310.9
     0.10            90.4      1240.9       420.0     1077.7
     0.15            40.2       551.5       186.7      479.0
     0.20            22.6       310.2       105.0      269.4
     0.25            14.5       198.5        67.2      172.4
     0.30            10.0       137.9        46.7      119.7
```

```
VEG TYPE : 2    SITE : 1    SPECIES : EUPSPP    MICRO PLOT :

                                                          DRY
                    HEIGHT       COVER     DENSITY      WEIGHT
-----------------------------------------------------------------
NUM. OBS                14          14          14          14
MEAN                 2.929       7.071       1.714       0.006
VARIANCE             1.148      27.302       0.835       0.000
STAN DEV             1.072       5.225       0.914       0.004
STAN ERR             0.286       1.396       0.244       0.001
COEF VAR              36.6        73.9        53.3        78.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                 2.424       4.612       1.284       0.003
                     3.433       9.531       2.144       0.008

95 %                 2.314       4.076       1.190       0.003
                     3.543      10.067       2.238       0.008

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                 2.023       2.655       0.942       0.002
                     3.834      11.487       2.487       0.009

95 %                 1.648       0.826       0.622       0.000
                     4.209      13.317       2.807       0.011

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            144.9       590.8       307.5       664.6
     0.10             36.2       147.7        76.9       166.1
     0.15             16.1        65.6        34.2        73.8
     0.20              9.1        36.9        19.2        41.5
     0.25              5.8        23.6        12.3        26.6
     0.30              4.0        16.4         8.5        18.5

95 %    R
     0.05            205.7       839.0       436.7       943.7
     0.10             51.4       209.7       109.2       235.9
     0.15             22.9        93.2        48.5       104.9
     0.20             12.9        52.4        27.3        59.0
     0.25              8.2        33.6        17.5        37.7
     0.30              5.7        23.3        12.1        26.2
```

```
VEG TYPE : 2   SITE : 1   SPECIES : GUTSAR   MICRO PLOT :

                                                DRY
              HEIGHT      COVER    DENSITY    WEIGHT
----------------------------------------------------
NUM. OBS          17         17         17        17
MEAN          13.059     53.118      1.353     0.085
VARIANCE      43.059   4935.235      0.493     0.050
STAN DEV       6.562     70.251      0.702     0.224
STAN ERR       1.591     17.038      0.170     0.054
COEF VAR        50.2      132.3       51.9     265.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          10.290     23.471      1.057    -0.010
              15.828     82.765      1.649     0.179

95 %           9.701     17.167      0.994    -0.030
              16.417     89.069      1.712     0.199

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           8.026     -0.763      0.815    -0.087
              18.092    106.998      1.891     0.256

95 %           5.941    -23.081      0.592    -0.158
              20.176    129.316      2.114     0.327

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05      273.2     1892.9      291.2    7597.8
     0.10       68.3      473.2       72.8    1899.5
     0.15       30.4      210.3       32.4     844.2
     0.20       17.1      118.3       18.2     474.9
     0.25       10.9       75.7       11.6     303.9
     0.30        7.6       52.6        8.1     211.1

95 %    R
     0.05      388.0     2687.8      413.6   10788.9
     0.10       97.0      672.0      103.4    2697.2
     0.15       43.1      298.6       46.0    1198.8
     0.20       24.2      168.0       25.8     674.3
     0.25       15.5      107.5       16.5     431.6
     0.30       10.8       74.7       11.5     299.7
```

```
VEG TYPE : 2   SITE : 1   SPECIES : HILJAM   MICRO PLOT :

                                                          DRY
                   HEIGHT       COVER    DENSITY       WEIGHT
-------------------------------------------------------------
NUM. OBS               11          11         11           11
MEAN               10.727     200.000     14.091        0.085
VARIANCE           20.218   51900.000    160.291        0.008
STAN DEV            4.496     227.816     12.661        0.089
STAN ERR            1.356      68.689      3.817        0.027
COEF VAR             41.9       113.9       89.8        104.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                8.292      76.635      7.235        0.037
                   13.162     323.365     20.947        0.133

95 %                7.743      48.815      5.689        0.026
                   13.711     351.185     22.493        0.144

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                6.440     -17.214      2.019        0.001
                   15.014     417.214     26.162        0.170

95 %                4.664    -107.187     -2.981       -0.034
                   16.790     507.187     31.162        0.205

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
     0.05           190.1      1404.1      873.6       1172.8
     0.10            47.5       351.0      218.4        293.2
     0.15            21.1       156.0       97.1        130.3
     0.20            11.9        87.8       54.6         73.3
     0.25             7.6        56.2       34.9         46.9
     0.30             5.3        39.0       24.3         32.6

95 %   R
     0.05           270.0      1993.8     1240.5       1665.3
     0.10            67.5       498.4      310.1        416.3
     0.15            30.0       221.5      137.8        185.0
     0.20            16.9       124.6       77.5        104.1
     0.25            10.8        79.8       49.6         66.6
     0.30             7.5        55.4       34.5         46.3
```

```
VEG TYPE : 2   SITE : 1   SPECIES : HYMENO   MICRO PLOT :

                                                     DRY
                 HEIGHT      COVER    DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS              1           1          1           1
MEAN              4.000      20.000      1.000       0.010
VARIANCE          0.000       0.000      0.000       0.000
STAN DEV          0.000       0.000      0.000       0.000
STAN ERR          0.000       0.000      0.000       0.000
COEF VAR            0.0         0.0        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              4.000      20.000      1.000       0.010
                  4.000      20.000      1.000       0.010

95 %              4.000      20.000      1.000       0.010
                  4.000      20.000      1.000       0.010

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              4.000      20.000      1.000       0.010
                  4.000      20.000      1.000       0.010

95 %              4.000      20.000      1.000       0.010
                  4.000      20.000      1.000       0.010

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0         0.0        0.0         0.0
    0.10           0.0         0.0        0.0         0.0
    0.15           0.0         0.0        0.0         0.0
    0.20           0.0         0.0        0.0         0.0
    0.25           0.0         0.0        0.0         0.0
    0.30           0.0         0.0        0.0         0.0

95 %    R
    0.05           0.0         0.0        0.0         0.0
    0.10           0.0         0.0        0.0         0.0
    0.15           0.0         0.0        0.0         0.0
    0.20           0.0         0.0        0.0         0.0
    0.25           0.0         0.0        0.0         0.0
    0.30           0.0         0.0        0.0         0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : JUNUST   MICRO PLOT :

                                                   DRY
               HEIGHT      COVER     DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS           4           7          4           4
MEAN         114.000    7228.571      1.000      12.135
VARIANCE  14152.000**********         0.000      87.322
STAN DEV     118.962    6795.517      0.000       9.345
STAN ERR      59.481    2568.464      0.000       4.672
COEF VAR       104.4        94.0        0.0        77.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %         -12.814   2361.332       1.000       2.174
             240.814  12095.811       1.000      22.096

95 %         -51.120   1154.154       1.000      -0.835
             279.120  13302.989       1.000      25.105

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %         -74.096   -893.631       1.000      -2.640
             302.096  15350.773       1.000      26.910

95 %        -152.008  -4257.959       1.000      -8.760
             380.008  18715.102       1.000      33.030

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05      1178.4       956.4         0.0       641.7
     0.10       294.6       239.1         0.0       160.4
     0.15       130.9       106.3         0.0        71.3
     0.20        73.7        59.8         0.0        40.1
     0.25        47.1        38.3         0.0        25.7
     0.30        32.7        26.6         0.0        17.8

95 %    R
     0.05      1673.3      1358.0         0.0       911.2
     0.10       418.3       339.5         0.0       227.8
     0.15       185.9       150.9         0.0       101.2
     0.20       104.6        84.9         0.0        57.0
     0.25        66.9        54.3         0.0        36.4
     0.30        46.5        37.7         0.0        25.3
```

```
VEG TYPE : 2   SITE : 1   SPECIES : LITTER   MICRO PLOT :

                                                   DRY
                 HEIGHT      COVER    DENSITY    WEIGHT
---------------------------------------------------------
NUM. OBS              0         20          0         1
MEAN              0.000   2957.500      0.000     0.000
VARIANCE          0.000*********        0.000     0.000
STAN DEV          0.000   5289.797      0.000     0.000
STAN ERR          0.000   1182.835      0.000     0.000
COEF VAR            0.0      178.9        0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000    917.110      0.000     0.000
                  0.000   4997.890      0.000     0.000

95 %              0.000    490.107      0.000     0.000
                  0.000   5424.893      0.000     0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000   -782.954      0.000     0.000
                  0.000   6697.954      0.000     0.000

95 %              0.000  -2332.302      0.000     0.000
                  0.000   8247.302      0.000     0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0     3461.9        0.0       0.0
     0.10          0.0      865.5        0.0       0.0
     0.15          0.0      384.7        0.0       0.0
     0.20          0.0      216.4        0.0       0.0
     0.25          0.0      138.5        0.0       0.0
     0.30          0.0       96.2        0.0       0.0

95 %    R
     0.05          0.0     4915.9        0.0       0.0
     0.10          0.0     1229.0        0.0       0.0
     0.15          0.0      546.2        0.0       0.0
     0.20          0.0      307.2        0.0       0.0
     0.25          0.0      196.6        0.0       0.0
     0.30          0.0      136.6        0.0       0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : MULASP   MICRO PLOT :

                                                        DRY
                    HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM, OBS                 1          1          1          1
MEAN                 6.000    130.000      2.000      0.059
VARIANCE             0.000      0.000      0.000      0.000
STAN DEV             0.000      0.000      0.000      0.000
STAN ERR             0.000      0.000      0.000      0.000
COEF VAR               0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                 6.000    130.000      2.000      0.059
                     6.000    130.000      2.000      0.059

95 %                 6.000    130.000      2.000      0.059
                     6.000    130.000      2.000      0.059

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                 6.000    130.000      2.000      0.059
                     6.000    130.000      2.000      0.059

95 %                 6.000    130.000      2.000      0.059
                     6.000    130.000      2.000      0.059

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0        0.0        0.0        0.0
     0.10          0.0        0.0        0.0        0.0
     0.15          0.0        0.0        0.0        0.0
     0.20          0.0        0.0        0.0        0.0
     0.25          0.0        0.0        0.0        0.0
     0.30          0.0        0.0        0.0        0.0

95 %    R
     0.05          0.0        0.0        0.0        0.0
     0.10          0.0        0.0        0.0        0.0
     0.15          0.0        0.0        0.0        0.0
     0.20          0.0        0.0        0.0        0.0
     0.25          0.0        0.0        0.0        0.0
     0.30          0.0        0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : ORYHYM   MICRO PLOT :

                                                     DRY
                 HEIGHT       COVER   DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS             10          10        10         10
MEAN             19.500     111.400     3.900      0.131
VARIANCE         57.611   29667.378    18.544      0.033
STAN DEV          7.590     172.242     4.306      0.181
STAN ERR          2.400      54.468     1.362      0.057
COEF VAR           38.9       154.6     110.4      137.7

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             15.151      12.704     1.432      0.028
                 23.849     210.096     6.368      0.235

95 %             14.152      -9.954     0.866      0.004
                 24.848     232.754     6.934      0.259

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             11.910     -60.842    -0.406     -0.050
                 27.090     283.642     8.206      0.312

95 %              8.766    -132.187    -2.190     -0.124
                 30.234     354.987     9.990      0.387

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         164.0      2587.0    1319.4     2052.4
     0.10          41.0       646.7     329.8      513.1
     0.15          18.2       287.4     146.6      228.0
     0.20          10.2       161.7      82.5      128.3
     0.25           6.6       103.5      52.8       82.1
     0.30           4.6        71.9      36.6       57.0

95 %    R
     0.05         232.8      3673.5    1873.5     2914.5
     0.10          58.2       918.4     468.4      728.6
     0.15          25.9       408.2     208.2      323.8
     0.20          14.6       229.6     117.1      182.2
     0.25           9.3       146.9      74.9      116.6
     0.30           6.5       102.0      52.0       81.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : PHLOXP   MICRO PLOT :

                                                     DRY
                 HEIGHT       COVER    DENSITY     WEIGHT
------------------------------------------------------------
NUM. OBS              4           4          4          4
MEAN              2.500       2.500      1.000      0.003
VARIANCE          0.333       0.333      0.000      0.000
STAN DEV          0.577       0.577      0.000      0.001
STAN ERR          0.289       0.289      0.000      0.001
COEF VAR           23.1        23.1        0.0       45.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              1.885       1.885      1.000      0.001
                  3.115       3.115      1.000      0.004

95 %              1.699       1.699      1.000      0.001
                  3.301       3.301      1.000      0.004

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              1.587       1.587      1.000      0.001
                  3.413       3.413      1.000      0.005

95 %              1.209       1.209      1.000     -0.000
                  3.791       3.791      1.000      0.006

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           57.7        57.7        0.0      226.6
    0.10           14.4        14.4        0.0       56.6
    0.15            6.4         6.4        0.0       25.2
    0.20            3.6         3.6        0.0       14.2
    0.25            2.3         2.3        0.0        9.1
    0.30            1.6         1.6        0.0        6.3

95 %    R
    0.05           82.0        82.0        0.0      321.7
    0.10           20.5        20.5        0.0       80.4
    0.15            9.1         9.1        0.0       35.7
    0.20            5.1         5.1        0.0       20.1
    0.25            3.3         3.3        0.0       12.9
    0.30            2.3         2.3        0.0        8.9
```

```
VEG TYPE : 2    SITE : 1    SPECIES : STALIT    MICRO PLOT : 01

                                                     DRY
                   HEIGHT       COVER    DENSITY     WEIGHT
---------------------------------------------------------------
NUM, OBS               0           0          0          2
MEAN               0.000       0.000      0.000      0.016
VARIANCE           0.000       0.000      0.000      0.000
STAN DEV           0.000       0.000      0.000      0.015
STAN ERR           0.000       0.000      0.000      0.011
COEF VAR             0.0         0.0        0.0       95.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000       0.000      0.000     -0.015
                   0.000       0.000      0.000      0.046

95 %               0.000       0.000      0.000     -0.030
                   0.000       0.000      0.000      0.061

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000       0.000      0.000     -0.018
                   0.000       0.000      0.000      0.049

95 %               0.000       0.000      0.000     -0.031
                   0.000       0.000      0.000      0.062

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            0.0         0.0        0.0      993.2
     0.10            0.0         0.0        0.0      248.3
     0.15            0.0         0.0        0.0      110.4
     0.20            0.0         0.0        0.0       62.1
     0.25            0.0         0.0        0.0       39.7
     0.30            0.0         0.0        0.0       27.6

95 %    R
     0.05            0.0         0.0        0.0     1410.3
     0.10            0.0         0.0        0.0      352.6
     0.15            0.0         0.0        0.0      156.7
     0.20            0.0         0.0        0.0       88.1
     0.25            0.0         0.0        0.0       56.4
     0.30            0.0         0.0        0.0       39.2
```

```
VEG TYPE : 2   SITE : 1   SPECIES : STALIT   MICRO PLOT : 02

                                                     DRY
                HEIGHT      COVER     DENSITY     WEIGHT
----------------------------------------------------------
NUM. OBS            0           0           0          1
MEAN            0.000       0.000       0.000      0.016
VARIANCE        0.000       0.000       0.000      0.000
STAN DEV        0.000       0.000       0.000      0.000
STAN ERR        0.000       0.000       0.000      0.000
COEF VAR          0.0         0.0         0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            0.000       0.000       0.000      0.016
                0.000       0.000       0.000      0.016

95 %            0.000       0.000       0.000      0.016
                0.000       0.000       0.000      0.016

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            0.000       0.000       0.000      0.016
                0.000       0.000       0.000      0.016

95 %            0.000       0.000       0.000      0.016
                0.000       0.000       0.000      0.016

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         0.0         0.0         0.0        0.0
     0.10         0.0         0.0         0.0        0.0
     0.15         0.0         0.0         0.0        0.0
     0.20         0.0         0.0         0.0        0.0
     0.25         0.0         0.0         0.0        0.0
     0.30         0.0         0.0         0.0        0.0

95 %    R
     0.05         0.0         0.0         0.0        0.0
     0.10         0.0         0.0         0.0        0.0
     0.15         0.0         0.0         0.0        0.0
     0.20         0.0         0.0         0.0        0.0
     0.25         0.0         0.0         0.0        0.0
     0.30         0.0         0.0         0.0        0.0
```

```
VEG TYPE : 2   SITE : 1   SPECIES : STICUM   MICRO PLOT :

                                                    DRY
              HEIGHT      COVER    DENSITY       WEIGHT
-------------------------------------------------------
NUM. OBS           1          1          1            1
MEAN          18.000     40.000      3.000        0.013
VARIANCE       0.000      0.000      0.000        0.000
STAN DEV       0.000      0.000      0.000        0.000
STAN ERR       0.000      0.000      0.000        0.000
COEF VAR         0.0        0.0        0.0          0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          18.000     40.000      3.000        0.013
              18.000     40.000      3.000        0.013

95 %          18.000     40.000      3.000        0.013
              18.000     40.000      3.000        0.013

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          18.000     40.000      3.000        0.013
              18.000     40.000      3.000        0.013

95 %          18.000     40.000      3.000        0.013
              18.000     40.000      3.000        0.013

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0        0.0        0.0        0.0
     0.10          0.0        0.0        0.0        0.0
     0.15          0.0        0.0        0.0        0.0
     0.20          0.0        0.0        0.0        0.0
     0.25          0.0        0.0        0.0        0.0
     0.30          0.0        0.0        0.0        0.0

95 %    R
     0.05          0.0        0.0        0.0        0.0
     0.10          0.0        0.0        0.0        0.0
     0.15          0.0        0.0        0.0        0.0
     0.20          0.0        0.0        0.0        0.0
     0.25          0.0        0.0        0.0        0.0
     0.30          0.0        0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 2   SPECIES : ARTLUD   MICRO PLOT :

                                                    DRY
                 HEIGHT      COVER    DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS             10         10          9         10
MEAN              6.700    128.200      1.667      0.079
VARIANCE         14.233  40761.289      0.500      0.015
STAN DEV          3.773    201.894      0.707      0.124
STAN ERR          1.193     63.845      0.236      0.039
COEF VAR           56.3      157.5       42.4      156.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              4.538     12.514      1.235      0.008
                  8.862    243.886      2.099      0.150

95 %              4.042    -14.046      1.134     -0.008
                  9.358    270.446      2.200      0.167

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              2.927    -73.694      0.921     -0.045
                 10.473    330.094      2.412      0.203

95 %              1.365   -157.322      0.613     -0.096
                 12.035    413.722      2.721      0.255

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %     R
       0.05       343.1     2683.8      194.8     2663.1
       0.10        85.8      671.0       48.7      665.8
       0.15        38.1      298.2       21.6      295.9
       0.20        21.4      167.7       12.2      166.4
       0.25        13.7      107.4        7.8      106.5
       0.30         9.5       74.6        5.4       74.0

95 %     R
       0.05       487.2     3811.0      276.6     3781.6
       0.10       121.8      952.8       69.1      945.4
       0.15        54.1      423.4       30.7      420.2
       0.20        30.5      238.2       17.3      236.4
       0.25        19.5      152.4       11.1      151.3
       0.30        13.5      105.9        7.7      105.0
```

```
VEG TYPE : 2   SITE : 2   SPECIES : ARTNOV   MICRO PLOT :

                                                      DRY
                HEIGHT      COVER    DENSITY      WEIGHT
------------------------------------------------------
NUM. OBS             4          4          3           4
MEAN            25.000    587.500      3.000       0.192
VARIANCE       463.333  53958.333      0.000       0.002
STAN DEV        21.525    232.289      0.000       0.046
STAN ERR        10.763    116.145      0.000       0.023
COEF VAR          86.1       39.5        0.0        24.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             2.054    339.880      3.000       0.142
                47.946    835.120      3.000       0.241

95 %            -4.877    265.082      3.000       0.127
                54.877    909.918      3.000       0.256

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            -9.034    220.218      3.000       0.118
                59.034    954.782      3.000       0.265

95 %           -23.132     68.085      3.000       0.088
                73.132   1106.915      3.000       0.295

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05       802.2      169.2        0.0        63.0
      0.10       200.6       42.3        0.0        15.8
      0.15        89.1       18.8        0.0         7.0
      0.20        50.1       10.6        0.0         3.9
      0.25        32.1        6.8        0.0         2.5
      0.30        22.3        4.7        0.0         1.8

95 %    R
      0.05      1139.2      240.2        0.0        89.5
      0.10       284.8       60.1        0.0        22.4
      0.15       126.6       26.7        0.0         9.9
      0.20        71.2       15.0        0.0         5.6
      0.25        45.6        9.6        0.0         3.6
      0.30        31.6        6.7        0.0         2.5
```

```
VEG TYPE : 2   SITE : 2   SPECIES : ARTTRI   MICRO PLOT : /

                                                   DRY
                  HEIGHT      COVER    DENSITY    WEIGHT
-----------------------------------------------------------
NUM. OBS               3          3          3         3
MEAN               8.000    233.333      1.667     0.060
VARIANCE           3.000   6933.333      0.333     0.002
STAN DEV           1.732     83.267      0.577     0.048
STAN ERR           1.000     48.074      0.333     0.028
COEF VAR            21.7       35.7       34.6      81.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               5.647    120.215      0.882    -0.006
                  10.353    346.451      2.451     0.125

95 %               4.818     80.362      0.606    -0.029
                  11.182    386.305      2.727     0.149

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               4.838     81.310      0.613    -0.029
                  11.162    385.357      2.721     0.148

95 %               3.528     18.340      0.176    -0.065
                  12.472    448.327      3.157     0.185

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           50.7      137.8      129.9     713.2
     0.10           12.7       34.5       32.5     178.3
     0.15            5.6       15.3       14.4      79.2
     0.20            3.2        8.6        8.1      44.6
     0.25            2.0        5.5        5.2      28.5
     0.30            1.4        3.8        3.6      19.8

95 %    R
     0.05           72.0      195.7      184.4    1012.7
     0.10           18.0       48.9       46.1     253.2
     0.15            8.0       21.7       20.5     112.5
     0.20            4.5       12.2       11.5      63.3
     0.25            2.9        7.8        7.4      40.5
     0.30            2.0        5.4        5.1      28.1
```

```
VEG TYPE : 2   SITE : 2   SPECIES : ASTSPP   MICRO PLOT :

                                                  DRY
                   HEIGHT      COVER    DENSITY   WEIGHT
-----------------------------------------------------------
NUM. OBS              8           8          8         8
MEAN             17.250     106.625      1.875     0.045
VARIANCE         43.929    7993.982      0.696     0.002
STAN DEV          6.628      89.409      0.835     0.039
STAN ERR          2.343      31.611      0.295     0.014
COEF VAR           38.4        83.9       44.5      87.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             12.891      47.829      1.326     0.019
                 21.609     165.421      2.424     0.071

95 %             11.846      33.730      1.195     0.013
                 22.654     179.520      2.555     0.077

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              9.840       6.663      0.942     0.001
                 24.660     206.587      2.808     0.089

95 %              6.770     -34.743      0.556    -0.017
                 27.730     247.993      3.194     0.107

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         159.8       760.9      214.4     834.6
     0.10          39.9       190.2       53.6     208.7
     0.15          17.8        84.5       23.8      92.7
     0.20          10.0        47.6       13.4      52.2
     0.25           6.4        30.4        8.6      33.4
     0.30           4.4        21.1        6.0      23.2

95 %    R
     0.05         226.9      1080.5      304.4    1185.2
     0.10          56.7       270.1       76.1     296.3
     0.15          25.2       120.1       33.8     131.7
     0.20          14.2        67.5       19.0      74.1
     0.25           9.1        43.2       12.2      47.4
     0.30           6.3        30.0        8.5      32.9
```

```
VEG TYPE : 2   SITE : 2   SPECIES : ATRCON   MICRO PLOT :

                                                  DRY
                HEIGHT      COVER   DENSITY    WEIGHT
-----------------------------------------------------
NUM. OBS             4          4         4         4
MEAN             7.250    116.250     2.500     0.028
VARIANCE        24.917  15856.250     5.667     0.000
STAN DEV         4.992    125.922     2.380     0.022
STAN ERR         2.496     62.961     1.190     0.011
COEF VAR          68.9      108.3      95.2      79.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             1.929    -17.982    -0.038     0.004
                12.571    250.482     5.038     0.052

95 %             0.322    -58.529    -0.804    -0.003
                14.178    291.029     5.804     0.059

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            -0.643    -82.850    -1.264    -0.007
                15.143    315.350     6.264     0.063

95 %            -3.912   -165.320    -2.823    -0.022
                18.412    397.820     7.823     0.078

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05         513.0     1269.7     981.1     680.0
    0.10         128.2      317.4     245.3     170.0
    0.15          57.0      141.1     109.0      75.6
    0.20          32.1       79.4      61.3      42.5
    0.25          20.5       50.8      39.2      27.2
    0.30          14.2       35.3      27.3      18.9

95 %    R
    0.05         728.4     1803.0    1393.2     965.6
    0.10         182.1      450.7     348.3     241.4
    0.15          80.9      200.3     154.8     107.3
    0.20          45.5      112.7      87.1      60.4
    0.25          29.1       72.1      55.7      38.6
    0.30          20.2       50.1      38.7      26.8
```

```
VEG TYPE : 2   SITE : 2   SPECIES : BARGRO   MICRO PLOT :

                                                    DRY
                HEIGHT      COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS             0         20          0           0
MEAN             0.000 32571.250      0.000       0.000
VARIANCE         0.000**********      0.000       0.000
STAN DEV         0.000 11335.273      0.000       0.000
STAN ERR         0.000  2534.644      0.000       0.000
COEF VAR           0.0      34.8        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000 28198.989      0.000       0.000
                 0.000 36943.511      0.000       0.000

95 %             0.000 27283.983      0.000       0.000
                 0.000 37858.517      0.000       0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000 24555.996      0.000       0.000
                 0.000 40586.504      0.000       0.000

95 %             0.000 21235.967      0.000       0.000
                 0.000 43906.533      0.000       0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05           0.0     131.1        0.0         0.0
    0.10           0.0      32.8        0.0         0.0
    0.15           0.0      14.6        0.0         0.0
    0.20           0.0       8.2        0.0         0.0
    0.25           0.0       5.2        0.0         0.0
    0.30           0.0       3.6        0.0         0.0

95 %   R
    0.05           0.0     186.1        0.0         0.0
    0.10           0.0      46.5        0.0         0.0
    0.15           0.0      20.7        0.0         0.0
    0.20           0.0      11.6        0.0         0.0
    0.25           0.0       7.4        0.0         0.0
    0.30           0.0       5.2        0.0         0.0
```

```
VEG TYPE : 2   SITE : 2   SPECIES : CHRVIS   MICRO PLOT :

                                                   DRY
                 HEIGHT      COVER   DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS              5           5         5          5
MEAN             23.800     636.000     5.200      0.422
VARIANCE     375.200252730.000         21.700      0.212
STAN DEV         19.370     502.723     4.658      0.460
STAN ERR          8.663     224.824     2.083      0.206
COEF VAR           81.4        79.0      89.6      109.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              6.345     182.979     1.002      0.007
                 41.255    1089.021     9.398      0.837

95 %              1.529      57.977    -0.156     -0.107
                 46.071    1214.023    10.556      0.951

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -3.593     -74.958    -1.388     -0.229
                 51.193    1346.958    11.788      1.073

95 %            -14.940    -369.446    -4.117     -0.499
                 62.540    1641.446    14.517      1.343

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         716.8       676.1     868.4     1288.1
     0.10         179.2       169.0     217.1      322.0
     0.15          79.6        75.1      96.5      143.1
     0.20          44.8        42.3      54.3       80.5
     0.25          28.7        27.0      34.7       51.5
     0.30          19.9        18.8      24.1       35.8

95 %    R
     0.05        1017.8       960.1    1233.2     1829.1
     0.10         254.5       240.0     308.3      457.3
     0.15         113.1       106.7     137.0      203.2
     0.20          63.6        60.0      77.1      114.3
     0.25          40.7        38.4      49.3       73.2
     0.30          28.3        26.7      34.3       50.8
```

```
VEG TYPE : 2   SITE : 2   SPECIES : CHYGRE   MICRO PLOT :

                                                 DRY
               HEIGHT     COVER    DENSITY     WEIGHT
----------------------------------------------------
NUM. OBS            1          1         1          1
MEAN           26.000    690.000     2.000      0.262
VARIANCE        0.000      0.000     0.000      0.000
STAN DEV        0.000      0.000     0.000      0.000
STAN ERR        0.000      0.000     0.000      0.000
COEF VAR          0.0        0.0       0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           26.000    690.000     2.000      0.262
               26.000    690.000     2.000      0.262

95 %           26.000    690.000     2.000      0.262
               26.000    690.000     2.000      0.262

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           26.000    690.000     2.000      0.262
               26.000    690.000     2.000      0.262

95 %           26.000    690.000     2.000      0.262
               26.000    690.000     2.000      0.262

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         0.0        0.0       0.0        0.0
     0.10         0.0        0.0       0.0        0.0
     0.15         0.0        0.0       0.0        0.0
     0.20         0.0        0.0       0.0        0.0
     0.25         0.0        0.0       0.0        0.0
     0.30         0.0        0.0       0.0        0.0

95 %    R
     0.05         0.0        0.0       0.0        0.0
     0.10         0.0        0.0       0.0        0.0
     0.15         0.0        0.0       0.0        0.0
     0.20         0.0        0.0       0.0        0.0
     0.25         0.0        0.0       0.0        0.0
     0.30         0.0        0.0       0.0        0.0
```

```
VEG TYPE : 2   SITE : 2   SPECIES : CHRVIS   MICRO PLOT :

                                                   DRY


VEG TYPE : 2   SITE : 2   SPECIES : COMPAL   MICRO PLOT :

                                                   DRY
                HEIGHT      COVER   DENSITY      WEIGHT
-------------------------------------------------------
NUM. OBS             1          1         1           1
MEAN            10.000      3.000     1.000       0.010
VARIANCE         0.000      0.000     0.000       0.000
STAN DEV         0.000      0.000     0.000       0.000
STAN ERR         0.000      0.000     0.000       0.000
COEF VAR           0.0        0.0       0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            10.000      3.000     1.000       0.010
                10.000      3.000     1.000       0.010

95 %            10.000      3.000     1.000       0.010
                10.000      3.000     1.000       0.010

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            10.000      3.000     1.000       0.010
                10.000      3.000     1.000       0.010

95 %            10.000      3.000     1.000       0.010
                10.000      3.000     1.000       0.010

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0        0.0       0.0         0.0
    0.10           0.0        0.0       0.0         0.0
    0.15           0.0        0.0       0.0         0.0
    0.20           0.0        0.0       0.0         0.0
    0.25           0.0        0.0       0.0         0.0
    0.30           0.0        0.0       0.0         0.0

95 %    R
    0.05           0.0        0.0       0.0         0.0
    0.10           0.0        0.0       0.0         0.0
    0.15           0.0        0.0       0.0         0.0
    0.20           0.0        0.0       0.0         0.0
    0.25           0.0        0.0       0.0         0.0
    0.30           0.0        0.0       0.0         0.0
```

```
VEG TYPE : 2   SITE : 2   SPECIES : CRUCIF   MICRO PLOT :

                                                  DRY
              HEIGHT       COVER    DENSITY     WEIGHT
--------------------------------------------------------
NUM. OBS           1           1          1          1
MEAN          40.000      30.000      1.000      0.022
VARIANCE       0.000       0.000      0.000      0.000
STAN DEV       0.000       0.000      0.000      0.000
STAN ERR       0.000       0.000      0.000      0.000
COEF VAR         0.0         0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          40.000      30.000      1.000      0.022
              40.000      30.000      1.000      0.022

95 %          40.000      30.000      1.000      0.022
              40.000      30.000      1.000      0.022

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          40.000      30.000      1.000      0.022
              40.000      30.000      1.000      0.022

95 %          40.000      30.000      1.000      0.022
              40.000      30.000      1.000      0.022

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05         0.0         0.0        0.0        0.0
    0.10         0.0         0.0        0.0        0.0
    0.15         0.0         0.0        0.0        0.0
    0.20         0.0         0.0        0.0        0.0
    0.25         0.0         0.0        0.0        0.0
    0.30         0.0         0.0        0.0        0.0

95 %   R
    0.05         0.0         0.0        0.0        0.0
    0.10         0.0         0.0        0.0        0.0
    0.15         0.0         0.0        0.0        0.0
    0.20         0.0         0.0        0.0        0.0
    0.25         0.0         0.0        0.0        0.0
    0.30         0.0         0.0        0.0        0.0
```

```
VEG TYPE : 2    SITE : 2    SPECIES : DISSPI    MICRO PLOT :

                                                        DRY
                 HEIGHT       COVER     DENSITY        WEIGHT
-------------------------------------------------------------
NUM. OBS              5            5            5           5
MEAN             12.200      132.200        9.000       0.041
VARIANCE          9.700    13904.200       25.500       0.001
STAN DEV          3.114      117.916        5.050       0.038
STAN ERR          1.393       52.734        2.258       0.017
COEF VAR           25.5         89.2         56.1        93.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              9.393       25.942        4.449       0.006
                 15.007      238.458       13.551       0.075

95 %              8.619       -3.378        3.194      -0.003
                 15.781      267.778       14.806       0.084

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              7.795      -34.559        1.859      -0.013
                 16.605      298.959       16.141       0.094

95 %              5.971     -103.632       -1.100      -0.035
                 18.429      368.032       19.100       0.117

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          70.5        860.9        340.7       947.2
     0.10          17.6        215.2         85.2       236.8
     0.15           7.8         95.7         37.9       105.2
     0.20           4.4         53.8         21.3        59.2
     0.25           2.8         34.4         13.6        37.9
     0.30           2.0         23.9          9.5        26.3

95 %    R
     0.05         100.1       1222.5        483.8      1345.0
     0.10          25.0        305.6        120.9       336.3
     0.15          11.1        135.8         53.8       149.4
     0.20           6.3         76.4         30.2        84.1
     0.25           4.0         48.9         19.4        53.8
     0.30           2.8         34.0         13.4        37.4
```

```
VEG TYPE : 2   SITE : 2   SPECIES : EPHVIR   MICRO PLOT :

                                                  DRY
               HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS            1          1          1          1
MEAN           27.000    220.000      1.000      0.062
VARIANCE        0.000      0.000      0.000      0.000
STAN DEV        0.000      0.000      0.000      0.000
STAN ERR        0.000      0.000      0.000      0.000
COEF VAR          0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           27.000    220.000      1.000      0.062
               27.000    220.000      1.000      0.062

95 %           27.000    220.000      1.000      0.062
               27.000    220.000      1.000      0.062

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           27.000    220.000      1.000      0.062
               27.000    220.000      1.000      0.062

95 %           27.000    220.000      1.000      0.062
               27.000    220.000      1.000      0.062

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         0.0        0.0        0.0        0.0
     0.10         0.0        0.0        0.0        0.0
     0.15         0.0        0.0        0.0        0.0
     0.20         0.0        0.0        0.0        0.0
     0.25         0.0        0.0        0.0        0.0
     0.30         0.0        0.0        0.0        0.0

95 %    R
     0.05         0.0        0.0        0.0        0.0
     0.10         0.0        0.0        0.0        0.0
     0.15         0.0        0.0        0.0        0.0
     0.20         0.0        0.0        0.0        0.0
     0.25         0.0        0.0        0.0        0.0
     0.30         0.0        0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 2   SPECIES : ERIGSP   MICRO PLOT :

                                                     DRY
               HEIGHT      COVER   DENSITY       WEIGHT
-----------------------------------------------------------
NUM. OBS            9          9          9           9
MEAN            7.556     76.778      2.778       0.026
VARIANCE       18.528   6170.694      2.444       0.001
STAN DEV        4.304     78.554      1.563       0.027
STAN ERR        1.435     26.185      0.521       0.009
COEF VAR         57.0      102.3       56.3       106.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            4.926     28.781      1.822       0.009
               10.186    124.774      3.733       0.043

95 %            4.310     17.548      1.599       0.005
               10.801    136.007      3.957       0.046

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            3.018     -6.025      1.130      -0.003
               12.093    159.581      4.426       0.055

95 %            1.139    -40.323      0.447      -0.015
               13.972    193.879      5.108       0.067

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       351.2     1132.8      342.8      1223.3
     0.10        87.8      283.2       85.7       305.8
     0.15        39.0      125.9       38.1       135.9
     0.20        22.0       70.8       21.4        76.5
     0.25        14.0       45.3       13.7        48.9
     0.30         9.8       31.5        9.5        34.0

95 %    R
     0.05       498.7     1608.6      486.8      1737.1
     0.10       124.7      402.1      121.7       434.3
     0.15        55.4      178.7       54.1       193.0
     0.20        31.2      100.5       30.4       108.6
     0.25        19.9       64.3       19.5        69.5
     0.30        13.9       44.7       13.5        48.3
```

```
VEG TYPE : 2   SITE : 2   SPECIES : ERISPP   MICRO PLOT :

                                                      DRY
                 HEIGHT      COVER    DENSITY     HEIGHT
---------------------------------------------------------
NUM. OBS              7          7          7          7
MEAN              9.714     14.714      1.000      0.009
VARIANCE         38.905    114.905      0.000      0.000
STAN DEV          6.237     10.719      0.000      0.006
STAN ERR          2.358      4.052      0.000      0.002
COEF VAR           64.2       72.9        0.0       64.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              5.247      7.037      1.000      0.005
                 14.182     22.392      1.000      0.014

95 %              4.139      5.132      1.000      0.004
                 15.290     24.296      1.000      0.015

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              2.259      1.902      1.000      0.002
                 17.169     27.526      1.000      0.017

95 %             -0.829     -3.405      1.000     -0.001
                 20.257     32.833      1.000      0.020

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         446.1      574.3        0.0      449.8
     0.10         111.5      143.6        0.0      112.5
     0.15          49.6       63.8        0.0       50.0
     0.20          27.9       35.9        0.0       28.1
     0.25          17.8       23.0        0.0       18.0
     0.30          12.4       16.0        0.0       12.5

95 %    R
     0.05         633.5      815.5        0.0      638.7
     0.10         158.4      203.9        0.0      159.7
     0.15          70.4       90.6        0.0       71.0
     0.20          39.6       51.0        0.0       39.9
     0.25          25.3       32.6        0.0       25.5
     0.30          17.6       22.7        0.0       17.7
```

```
                                                        DRY
                  HEIGHT       COVER    DENSITY      WEIGHT
------------------------------------------------------------
NUM. OBS              10          10          10          10
MEAN               4.600      25.600       2.600       0.008
VARIANCE           7.600    1589.156       5.822       0.000
STAN DEV           2.757      39.864       2.413       0.007
STAN ERR           0.872      12.606       0.763       0.002
COEF VAR            59.9       155.7        92.8        83.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               3.020       2.758       1.217       0.004
                   6.180      48.442       3.983       0.012

95 %               2.658      -2.487       0.900       0.003
                   6.542      53.687       4.300       0.013

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               1.843     -14.264       0.187       0.001
                   7.357      65.464       5.013       0.015

95 %               0.701     -30.777      -0.812      -0.002
                   8.499      81.977       6.012       0.018

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          388.7      2624.1       932.0       760.4
     0.10           97.2       656.0       233.0       190.1
     0.15           43.2       291.6       103.6        84.5
     0.20           24.3       164.0        58.3        47.5
     0.25           15.5       105.0        37.3        30.4
     0.30           10.8        72.9        25.9        21.1

95 %    R
     0.05          551.9      3726.1      1323.5      1079.7
     0.10          138.0       931.5       330.9       269.9
     0.15           61.3       414.0       147.1       120.0
     0.20           34.5       232.9        82.7        67.5
     0.25           22.1       149.0        52.9        43.2
     0.30           15.3       103.5        36.8        30.0
```

```
VEG TYPE : 2   SITE : 2   SPECIES : GUTSAR   MICRO PLOT :

                                                    DRY
                  HEIGHT      COVER   DENSITY     WEIGHT
--------------------------------------------------------
NUM. OBS              11         11        11         11
MEAN              14.182     90.727     8.545      0.050
VARIANCE          23.364  19538.418   394.673      0.011
STAN DEV           4.834    139.780    19.866      0.107
STAN ERR           1.457     42.145     5.990      0.032
COEF VAR           34.1       154.1     232.5      215.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              11.564     15.034    -2.212     -0.008
                  16.799    166.420    19.303      0.107

95 %              10.974     -2.034    -4.638     -0.021
                  17.390    183.489    21.729      0.120

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               9.573    -42.548   -10.396     -0.052
                  18.790    224.002    27.487      0.151

95 %               7.664    -97.752   -18.242     -0.094
                  20.699    279.207    35.333      0.194

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          125.7     2568.6    5848.6     5001.4
     0.10           31.4      642.2    1462.2     1250.3
     0.15           14.0      285.4     649.8      555.7
     0.20            7.9      160.5     365.5      312.6
     0.25            5.0      102.7     233.9      200.1
     0.30            3.5       71.4     162.5      138.9

95 %    R
     0.05          178.5     3647.4    8305.0     7101.9
     0.10           44.6      911.9    2076.2     1775.5
     0.15           19.8      405.3     922.8      789.1
     0.20           11.2      228.0     519.1      443.9
     0.25            7.1      145.9     332.2      284.1
     0.30            5.0      101.3     230.7      197.3
```

```
VEG TYPE : 2   SITE : 2   SPECIES : HILJAM   MICRO PLOT :

                                                        DRY
                   HEIGHT      COVER     DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS              9           9           9          9
MEAN              11.222     630.000      62.444     10.345
VARIANCE      19.694603625.000  5323.778     937.682
STAN DEV           4.438     776.933      72.964     30.622
STAN ERR           1.479     258.978      24.321     10.207
COEF VAR            39.5       123.3       116.8      296.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               8.511     155.294      17.863     -8.365
                  13.934    1104.706     107.026     29.055

95 %               7.876      44.192       7.429    -12.743
                  14.568    1215.808     117.459     33.434

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               6.544    -188.960     -14.467    -21.933
                  15.900    1448.960     139.356     42.623

95 %               4.607    -528.184     -46.324    -35.303
                  17.838    1788.184     171.213     55.993

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          169.2      1645.8      1477.5     9481.2
     0.10           42.3       411.4       369.4     2370.3
     0.15           18.8       182.9       164.2     1053.5
     0.20           10.6       102.9        92.3      592.6
     0.25            6.8        65.8        59.1      379.2
     0.30            4.7        45.7        41.0      263.4

95 %    R
     0.05          240.3      2337.0      2098.0    13463.2
     0.10           60.1       584.2       524.5     3365.8
     0.15           26.7       259.7       233.1     1495.9
     0.20           15.0       146.1       131.1      841.4
     0.25            9.6        93.5        83.9      538.5
     0.30            6.7        64.9        58.3      374.0
```

```
VEG TYPE : 2   SITE : 2   SPECIES : JUNOST   MICRO PLOT :

                                                     DRY
                 HEIGHT      COVER    DENSITY     WEIGHT
--------------------------------------------------------
NUM. OBS              6         10          4          3
MEAN            220.833 16599.000      1.000     23.062
VARIANCE      17844.167**********      0.000    380.601
STAN DEV        133.582 12678.223      0.000     19.509
STAN ERR         54.535  4009.206      0.000     11.264
COEF VAR           60.5       76.4        0.0       84.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            114.873  9334.318      1.000     -3.441
                326.794 23863.682      1.000     49.565

95 %             87.387  7666.489      1.000    -12.779
                354.280 25531.511      1.000     58.903

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             48.380  3920.767      1.000    -12.556
                393.287 29277.233      1.000     58.680

95 %            -23.053 -1330.731      1.000    -27.310
                464.720 34528.731      1.000     73.434

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05          396.0      631.3        0.0      774.4
    0.10           99.0      157.8        0.0      193.6
    0.15           44.0       70.1        0.0       86.0
    0.20           24.7       39.5        0.0       48.4
    0.25           15.8       25.3        0.0       31.0
    0.30           11.0       17.5        0.0       21.5

95 %   R
    0.05          562.3      896.4        0.0     1099.6
    0.10          140.6      224.1        0.0      274.9
    0.15           62.5       99.6        0.0      122.2
    0.20           35.1       56.0        0.0       68.7
    0.25           22.5       35.9        0.0       44.0
    0.30           15.6       24.9        0.0       30.5
```

```
VEG TYPE : 2   SITE : 2   SPECIES : SITHYS   MICRO PLOT :

                                                      DRY
                HEIGHT      COVER   DENSITY      WEIGHT
--------------------------------------------------------------
NUM. OBS             1          1          1          1
MEAN            24.000     40.000      3.000      0.030
VARIANCE         0.000      0.000      0.000      0.000
STAN DEV         0.000      0.000      0.000      0.000
STAN ERR         0.000      0.000      0.000      0.000
COEF VAR           0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            24.000     40.000      3.000      0.030
                24.000     40.000      3.000      0.030

95 %            24.000     40.000      3.000      0.030
                24.000     40.000      3.000      0.030

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            24.000     40.000      3.000      0.030
                24.000     40.000      3.000      0.030

95 %            24.000     40.000      3.000      0.030
                24.000     40.000      3.000      0.030

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0        0.0        0.0        0.0
    0.10           0.0        0.0        0.0        0.0
    0.15           0.0        0.0        0.0        0.0
    0.20           0.0        0.0        0.0        0.0
    0.25           0.0        0.0        0.0        0.0
    0.30           0.0        0.0        0.0        0.0

95 %    R
    0.05           0.0        0.0        0.0        0.0
    0.10           0.0        0.0        0.0        0.0
    0.15           0.0        0.0        0.0        0.0
    0.20           0.0        0.0        0.0        0.0
    0.25           0.0        0.0        0.0        0.0
    0.30           0.0        0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 2   SPECIES : SOLRIG   MICRO PLOT :

                                                      DRY
              HEIGHT      COVER   DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS           2           2           2           2
MEAN          11.500      62.000       2.000       0.032
VARIANCE      24.500    6728.000       2.000       0.001
STAN DEV       4.950      82.024       1.414       0.038
STAN ERR       3.500      58.000       1.000       0.027
COEF VAR        43.0       132.3        70.7       119.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           1.280    -107.360      -0.920      -0.047
              21.720     231.360       4.920       0.111

95 %          -3.561    -187.574      -2.303      -0.084
              26.561     311.574       6.303       0.148

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           0.432    -121.412      -1.162      -0.053
              22.568     245.412       5.162       0.117

95 %          -4.152    -197.384      -2.472      -0.089
              27.152     321.384       6.472       0.153

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05       200.5      1894.0       541.1      1540.8
    0.10        50.1       473.5       135.3       385.2
    0.15        22.3       210.4        60.1       171.2
    0.20        12.5       118.4        33.8        96.3
    0.25         8.0        75.8        21.6        61.6
    0.30         5.6        52.6        15.0        42.8

95 %    R
    0.05       284.7      2689.5       768.3      2187.9
    0.10        71.2       672.4       192.1       547.0
    0.15        31.6       298.8        85.4       243.1
    0.20        17.8       168.1        48.0       136.7
    0.25        11.4       107.6        30.7        87.5
    0.30         7.9        74.7        21.3        60.8
```

```
VEG TYPE : 2   SITE : 2   SPECIES : STALIT   MICRO PLOT : 01

                                                      DRY
                 HEIGHT      COVER    DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS              0          0          0           4
MEAN              0.000      0.000      0.000       0.009
VARIANCE          0.000      0.000      0.000       0.000
STAN DEV          0.000      0.000      0.000       0.018
STAN ERR          0.000      0.000      0.000       0.009
COEF VAR            0.0        0.0        0.0       192.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000      0.000      0.000      -0.010
                  0.000      0.000      0.000       0.028

95 %              0.000      0.000      0.000      -0.016
                  0.000      0.000      0.000       0.034

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000      0.000      0.000      -0.019
                  0.000      0.000      0.000       0.037

95 %              0.000      0.000      0.000      -0.031
                  0.000      0.000      0.000       0.049

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0        0.0        0.0      4025.0
    0.10            0.0        0.0        0.0      1006.3
    0.15            0.0        0.0        0.0       447.2
    0.20            0.0        0.0        0.0       251.6
    0.25            0.0        0.0        0.0       161.0
    0.30            0.0        0.0        0.0       111.8

95 %    R
    0.05            0.0        0.0        0.0      5715.5
    0.10            0.0        0.0        0.0      1428.9
    0.15            0.0        0.0        0.0       635.1
    0.20            0.0        0.0        0.0       357.2
    0.25            0.0        0.0        0.0       228.6
    0.30            0.0        0.0        0.0       158.8
```

```
VEG TYPE : 2   SITE : 2   SPECIES : STALIT   MICRO PLOT : 02

                                                      DRY
                 HEIGHT      COVER    DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS              0          0          0           3
MEAN              0.000      0.000      0.000       0.010
VARIANCE          0.000      0.000      0.000       0.000
STAN DEV          0.000      0.000      0.000       0.011
STAN ERR          0.000      0.000      0.000       0.006
COEF VAR            0.0        0.0        0.0       113.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000      0.000      0.000      -0.005
                  0.000      0.000      0.000       0.025

95 %              0.000      0.000      0.000      -0.010
                  0.000      0.000      0.000       0.030

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000      0.000      0.000      -0.010
                  0.000      0.000      0.000       0.030

95 %              0.000      0.000      0.000      -0.019
                  0.000      0.000      0.000       0.038

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0        0.0        0.0      1393.5
    0.10            0.0        0.0        0.0       348.4
    0.15            0.0        0.0        0.0       154.8
    0.20            0.0        0.0        0.0        87.1
    0.25            0.0        0.0        0.0        55.7
    0.30            0.0        0.0        0.0        38.7

95 %    R
    0.05            0.0        0.0        0.0      1978.8
    0.10            0.0        0.0        0.0       494.7
    0.15            0.0        0.0        0.0       219.9
    0.20            0.0        0.0        0.0       123.7
    0.25            0.0        0.0        0.0        79.2
    0.30            0.0        0.0        0.0        55.0
```

```
VEG TYPE : 2   SITE : 3   SPECIES : ARTLUD   MICRO PLOT :

                                                    DRY
                 HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS              5          5          4          5
MEAN              5.600     37.400      1.250      0.013
VARIANCE          6.800   1607.800      0.250      0.000
STAN DEV          2.608     40.097      0.500      0.015
STAN ERR          1.166     17.932      0.250      0.007
COEF VAR           46.6      107.2       40.0      114.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              3.250      1.267      0.717     -0.000
                  7.950     73.533      1.783      0.027

95 %              2.602     -8.703      0.556     -0.004
                  8.598     83.503      1.944      0.031

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              1.912    -19.306      0.459     -0.008
                  9.288     94.106      2.041      0.034

95 %              0.385    -42.795      0.132     -0.017
                 10.815    117.595      2.368      0.043

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         234.6     1243.9      173.1     1408.0
     0.10          58.7      311.0       43.3      352.0
     0.15          26.1      138.2       19.2      156.4
     0.20          14.7       77.7       10.8       88.0
     0.25           9.4       49.8        6.9       56.3
     0.30           6.5       34.6        4.8       39.1

95 %    R
     0.05         333.2     1766.3      245.9     1999.3
     0.10          83.3      441.6       61.5      499.8
     0.15          37.0      196.3       27.3      222.1
     0.20          20.8      110.4       15.4      125.0
     0.25          13.3       70.7        9.8       80.0
     0.30           9.3       49.1        6.8       55.5
```

```
VEG TYPE : 2   SITE : 3   SPECIES : ARTNOV   MICRO PLOT :

                                                     DRY
              HEIGHT       COVER    DENSITY        WEIGHT
-------------------------------------------------------------
NUM. OBS          14          15          14           14
MEAN          10.286     650.733       3.857        0.209
VARIANCE      27.604662856.638        10.286        0.086
STAN DEV       5.254     814.160       3.207        0.293
STAN ERR       1.404     210.215       0.857        0.078
COEF VAR        51.1       125.1        83.1        140.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           7.813     282.226       2.348        0.071
              12.756    1019.241       5.367        0.347

95 %           7.274     202.765       2.019        0.041
              13.298    1098.702       5.696        0.377

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           5.845     -14.026       1.147       -0.038
              14.726    1315.493       6.568        0.457

95 %           4.006    -289.379       0.024       -0.141
              16.565    1590.845       7.690        0.559

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %     R
     0.05      282.4      1693.9       748.2       2122.6
     0.10       70.6       423.5       187.0        530.6
     0.15       31.4       188.2        83.1        235.8
     0.20       17.6       105.9        46.8        132.7
     0.25       11.3        67.8        29.9         84.9
     0.30        7.8        47.1        20.8         59.0

95 %     R
     0.05      400.9      2405.4      1062.4       3014.0
     0.10      100.2       601.3       265.6        753.5
     0.15       44.5       267.3       118.0        334.9
     0.20       25.1       150.3        66.4        188.4
     0.25       16.0        96.2        42.5        120.6
     0.30       11.1        66.8        29.5         83.7
```

```
VEG TYPE : 2   SITE : 3   SPECIES : ARTTRI   MICRO PLOT :

                                                  DRY
                  HEIGHT      COVER   DENSITY    WEIGHT
-------------------------------------------------------
NUM. OBS               1          1         1         1
MEAN              23.000   3120.000     9.000     1.061
VARIANCE           0.000      0.000     0.000     0.000
STAN DEV           0.000      0.000     0.000     0.000
STAN ERR           0.000      0.000     0.000     0.000
COEF VAR             0.0        0.0       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              23.000   3120.000     9.000     1.061
                  23.000   3120.000     9.000     1.061

95 %              23.000   3120.000     9.000     1.061
                  23.000   3120.000     9.000     1.061

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              23.000   3120.000     9.000     1.061
                  23.000   3120.000     9.000     1.061

95 %              23.000   3120.000     9.000     1.061
                  23.000   3120.000     9.000     1.061

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05          0.0        0.0       0.0       0.0
    0.10          0.0        0.0       0.0       0.0
    0.15          0.0        0.0       0.0       0.0
    0.20          0.0        0.0       0.0       0.0
    0.25          0.0        0.0       0.0       0.0
    0.30          0.0        0.0       0.0       0.0

95 %   R
    0.05          0.0        0.0       0.0       0.0
    0.10          0.0        0.0       0.0       0.0
    0.15          0.0        0.0       0.0       0.0
    0.20          0.0        0.0       0.0       0.0
    0.25          0.0        0.0       0.0       0.0
    0.30          0.0        0.0       0.0       0.0
```

```
VEG TYPE : 2   SITE : 3   SPECIES : ASTSPP   MICRO PLOT :

                                                        DRY
                  HEIGHT      COVER    DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS              6           6          6           6
MEAN             19.500     208.333      1.833       0.192
VARIANCE        133.500   43736.667      1.367       0.036
STAN DEV         11.554     209.133      1.169       0.189
STAN ERR          4.717      85.378      0.477       0.077
COEF VAR           59.3       100.4       63.8        98.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             10.335      42.443      0.906       0.041
                 28.665     374.223      2.761       0.342

95 %              7.958      -0.587      0.665       0.002
                 31.042     417.254      3.001       0.381

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              4.584     -61.657      0.324      -0.053
                 34.416     478.323      3.343       0.436

95 %             -1.595    -173.490     -0.301      -0.154
                 40.595     590.157      3.968       0.537

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         379.9      1090.5      440.0      1056.5
     0.10          95.0       272.6      110.0       264.1
     0.15          42.2       121.2       48.9       117.4
     0.20          23.7        68.2       27.5        66.0
     0.25          15.2        43.6       17.6        42.3
     0.30          10.6        30.3       12.2        29.3

95 %    R
     0.05         539.5      1548.5      624.8      1500.3
     0.10         134.9       387.1      156.2       375.1
     0.15          59.9       172.1       69.4       166.7
     0.20          33.7        96.8       39.1        93.8
     0.25          21.6        61.9       25.0        60.0
     0.30          15.0        43.0       17.4        41.7
```

```
VEG TYPE : 2   SITE : 3   SPECIES : ATRCON   MICRO PLOT :

                                                  DRY
                 HEIGHT      COVER    DENSITY    WEIGHT
-----------------------------------------------------------

NUM. OBS              3          3          3          3
MEAN             15.000    236.667      1.333      0.162
VARIANCE        133.000  41033.333      0.333      0.019
STAN DEV         11.533    202.567      0.577      0.138
STAN ERR          6.658    116.952      0.333      0.079
COEF VAR           76.9       85.6       43.3       85.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             -0.667    -38.521      0.549     -0.025
                 30.667    511.855      2.118      0.349

95 %             -6.187   -135.475      0.273     -0.091
                 36.187    608.808      2.394      0.414

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -6.055   -133.168      0.279     -0.090
                 36.055    606.502      2.387      0.413

95 %            -14.777   -286.359     -0.157     -0.194
                 44.777    759.693      2.824      0.517

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05        639.7      792.8      202.9      783.8
      0.10        159.9      198.2       50.7      195.9
      0.15         71.1       88.1       22.5       87.1
      0.20         40.0       49.5       12.7       49.0
      0.25         25.6       31.7        8.1       31.4
      0.30         17.8       22.0        5.6       21.8

95 %    R
      0.05        908.3     1125.7      288.1     1113.0
      0.10        227.1      281.4       72.0      278.2
      0.15        100.9      125.1       32.0      123.7
      0.20         56.8       70.4       18.0       69.6
      0.25         36.3       45.0       11.5       44.5
      0.30         25.2       31.3        8.0       30.9
```

```
VEG TYPE : 2   SITE : 3   SPECIES : BARGRO   MICRO PLOT :

                                                 DRY
              HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------
NUM, OBS          0          20          0          0
MEAN          0.000 31831.650      0.000      0.000
VARIANCE      0.000**********      0.000      0.000
STAN DEV      0.000 11953.856      0.000      0.000
STAN ERR      0.000  2672.963      0.000      0.000
COEF VAR        0.0      37.6        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          0.000 27220.788      0.000      0.000
              0.000 36442.512      0.000      0.000

95 %          0.000 26255.848      0.000      0.000
              0.000 37407.452      0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          0.000 23378.991      0.000      0.000
              0.000 40284.309      0.000      0.000

95 %          0.000 19877.784      0.000      0.000
              0.000 43785.516      0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05        0.0       152.6        0.0        0.0
    0.10        0.0        38.2        0.0        0.0
    0.15        0.0        17.0        0.0        0.0
    0.20        0.0         9.5        0.0        0.0
    0.25        0.0         6.1        0.0        0.0
    0.30        0.0         4.2        0.0        0.0

95 %   R
    0.05        0.0       216.7        0.0        0.0
    0.10        0.0        54.2        0.0        0.0
    0.15        0.0        24.1        0.0        0.0
    0.20        0.0        13.5        0.0        0.0
    0.25        0.0         8.7        0.0        0.0
    0.30        0.0         6.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 3   SPECIES : CHRGRE   MICRO PLOT :

                                                      DRY
                 HEIGHT       COVER    DENSITY     WEIGHT
----------------------------------------------------------
NUM. OBS              1           1          1          1
MEAN             16.000     200.000      5.000      0.045
VARIANCE          0.000       0.000      0.000      0.000
STAN DEV          0.000       0.000      0.000      0.000
STAN ERR          0.000       0.000      0.000      0.000
COEF VAR            0.0         0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             16.000     200.000      5.000      0.045
                 16.000     200.000      5.000      0.045

95 %             16.000     200.000      5.000      0.045
                 16.000     200.000      5.000      0.045

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             16.000     200.000      5.000      0.045
                 16.000     200.000      5.000      0.045

95 %             16.000     200.000      5.000      0.045
                 16.000     200.000      5.000      0.045

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0         0.0        0.0        0.0
     0.10           0.0         0.0        0.0        0.0
     0.15           0.0         0.0        0.0        0.0
     0.20           0.0         0.0        0.0        0.0
     0.25           0.0         0.0        0.0        0.0
     0.30           0.0         0.0        0.0        0.0

95 %    R
     0.05           0.0         0.0        0.0        0.0
     0.10           0.0         0.0        0.0        0.0
     0.15           0.0         0.0        0.0        0.0
     0.20           0.0         0.0        0.0        0.0
     0.25           0.0         0.0        0.0        0.0
     0.30           0.0         0.0        0.0        0.0
```

```
VEG TYPE : 2    SITE : 3    SPECIES : CHRVIS    MICRO PLOT :

                                                      DRY
                 HEIGHT       COVER   DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS              4           4         4           4
MEAN             12.750     701.250     9.000       0.297
VARIANCE          6.250249206.250      50.667       0.043
STAN DEV          2.500     499.206     7.118       0.208
STAN ERR          1.250     249.603     3.559       0.104
COEF VAR           19.6        71.2      79.1        70.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             10.085     169.097     1.412       0.075
                 15.415    1233.403    16.588       0.518

95 %              9.280       8.353    -0.880       0.008
                 16.220    1394.147    18.880       0.585

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              8.797     -88.064    -2.255      -0.033
                 16.703    1490.564    20.255       0.626

95 %              7.160    -415.009    -6.916      -0.169
                 18.340    1817.509    24.916       0.762

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          41.6       548.4     676.9       533.3
     0.10          10.4       137.1     169.2       133.3
     0.15           4.6        60.9      75.2        59.3
     0.20           2.6        34.3      42.3        33.3
     0.25           1.7        21.9      27.1        21.3
     0.30           1.2        15.2      18.8        14.8

95 %    R
     0.05          59.1       778.7     961.2       757.3
     0.10          14.8       194.7     240.3       189.3
     0.15           6.6        86.5     106.8        84.1
     0.20           3.7        48.7      60.1        47.3
     0.25           2.4        31.1      38.4        30.3
     0.30           1.6        21.6      26.7        21.0
```

```
VEG TYPE : 2   SITE : 3   SPECIES : CRUCIF   MICRO PLOT :

                                                  DRY
               HEIGHT      COVER    DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS            4          4          4          4
MEAN           39.000     45.000      2.250      0.032
VARIANCE      110.667   1500.000      1.583      0.000
STAN DEV       10.520     38.730      1.258      0.016
STAN ERR        5.260     19.365      0.629      0.008
COEF VAR         27.0       86.1       55.9       50.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           27.786      3.714      0.909      0.015
               50.214     86.286      3.591      0.049

95 %           24.398     -8.757      0.503      0.010
               53.602     98.757      3.997      0.054

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           22.367    -16.237      0.260      0.007
               55.633    106.237      4.240      0.057

95 %           15.477    -41.603     -0.564     -0.004
               62.523    131.603      5.064      0.067

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05         78.7      801.6      338.4      271.5
    0.10         19.7      200.4       84.6       67.9
    0.15          8.7       89.1       37.6       30.2
    0.20          4.9       50.1       21.2       17.0
    0.25          3.1       32.1       13.5       10.9
    0.30          2.2       22.3        9.4        7.5

95 %    R
    0.05        111.8     1138.3      480.6      385.5
    0.10         28.0      284.6      120.1       96.4
    0.15         12.4      126.5       53.4       42.8
    0.20          7.0       71.1       30.0       24.1
    0.25          4.5       45.5       19.2       15.4
    0.30          3.1       31.6       13.3       10.7
```

```
VEG TYPE : 2   SITE : 3   SPECIES : CYRGRM   MICRO PLOT :

                                                      DRY
                  HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS               0          2          0          0
MEAN               0.000     17.500      0.000      0.000
VARIANCE           0.000    612.500      0.000      0.000
STAN DEV           0.000     24.749      0.000      0.000
STAN ERR           0.000     17.500      0.000      0.000
COEF VAR             0.0      141.4        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000    -33.600      0.000      0.000
                   0.000     68.600      0.000      0.000

95 %               0.000    -57.803      0.000      0.000
                   0.000     92.803      0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000    -37.840      0.000      0.000
                   0.000     72.840      0.000      0.000

95 %               0.000    -60.762      0.000      0.000
                   0.000     95.762      0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            0.0     2164.3        0.0        0.0
     0.10            0.0      541.1        0.0        0.0
     0.15            0.0      240.5        0.0        0.0
     0.20            0.0      135.3        0.0        0.0
     0.25            0.0       86.6        0.0        0.0
     0.30            0.0       60.1        0.0        0.0

95 %    R
     0.05            0.0     3073.3        0.0        0.0
     0.10            0.0      768.3        0.0        0.0
     0.15            0.0      341.5        0.0        0.0
     0.20            0.0      192.1        0.0        0.0
     0.25            0.0      122.9        0.0        0.0
     0.30            0.0       85.4        0.0        0.0
```

```
VEG TYPE : 2   SITE : 3   SPECIES : DISSPI   MICRO PLOT :

                                                   DRY
                HEIGHT      COVER    DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS             2          2          2          2
MEAN            11.500   1200.000     61.000      0.543
VARIANCE         0.500**********    4802.000      0.531
STAN DEV         0.707   1555.635     69.296      0.729
STAN ERR         0.500   1100.000     49.000      0.516
COEF VAR           6.1      129.6      113.6      134.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            10.040  -2012.000    -82.080     -0.963
                12.960   4412.000    204.080      2.048

95 %             9.348  -3533.300   -149.847     -1.676
                13.652   5933.300    271.847      2.761

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             9.919  -2278.508    -93.952     -1.088
                13.081   4678.508    215.952      2.173

95 %             9.264  -3719.354   -158.135     -1.763
                13.736   6119.354    280.135      2.848

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05           4.1     1818.6     1396.5     1954.2
    0.10           1.0      454.7      349.1      488.6
    0.15           0.5      202.1      155.2      217.1
    0.20           0.3      113.7       87.3      122.1
    0.25           0.2       72.7       55.9       78.2
    0.30           0.1       50.5       38.8       54.3

95 %   R
    0.05           5.8     2582.4     1983.1     2775.0
    0.10           1.5      645.6      495.8      693.7
    0.15           0.6      286.9      220.3      308.3
    0.20           0.4      161.4      123.9      173.4
    0.25           0.2      103.3       79.3      111.0
    0.30           0.2       71.7       55.1       77.1
```

```
VEG TYPE : 2   SITE : 3   SPECIES : EPHVIR   MICRO PLOT :

                                                    DRY
                 HEIGHT      COVER    DENSITY     HEIGHT
-----------------------------------------------------------
NUM. OBS             1           1          1          1
MEAN             7.000      40.000      2.000      0.001
VARIANCE         0.000       0.000      0.000      0.000
STAN DEV         0.000       0.000      0.000      0.000
STAN ERR         0.000       0.000      0.000      0.000
COEF VAR           0.0         0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             7.000      40.000      2.000      0.001
                 7.000      40.000      2.000      0.001

95 %             7.000      40.000      2.000      0.001
                 7.000      40.000      2.000      0.001

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             7.000      40.000      2.000      0.001
                 7.000      40.000      2.000      0.001

95 %             7.000      40.000      2.000      0.001
                 7.000      40.000      2.000      0.001

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05           0.0         0.0        0.0        0.0
    0.10           0.0         0.0        0.0        0.0
    0.15           0.0         0.0        0.0        0.0
    0.20           0.0         0.0        0.0        0.0
    0.25           0.0         0.0        0.0        0.0
    0.30           0.0         0.0        0.0        0.0

95 %   R
    0.05           0.0         0.0        0.0        0.0
    0.10           0.0         0.0        0.0        0.0
    0.15           0.0         0.0        0.0        0.0
    0.20           0.0         0.0        0.0        0.0
    0.25           0.0         0.0        0.0        0.0
    0.30           0.0         0.0        0.0        0.0
```

```
                                                         DRY
                 HEIGHT        COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS              8            8          8           8
MEAN              4.125       39.125      4.250       0.018
VARIANCE          4.982     1180.411     14.500       0.000
STAN DEV          2.232       34.357      3.808       0.019
STAN ERR          0.789       12.147      1.346       0.007
COEF VAR           54.1         87.8       89.6       104.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              2.657       16.531      1.746       0.006
                  5.593       61.719      6.754       0.030

95 %              2.305       11.114      1.145       0.003
                  5.945       67.136      7.355       0.033

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              1.629        0.713     -0.007      -0.003
                  6.621       77.537      8.507       0.039

95 %              0.596      -15.198     -1.771      -0.012
                  7.654       93.448     10.271       0.047

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         316.9        834.5      868.7      1189.1
     0.10          79.2        208.6      217.2       297.3
     0.15          35.2         92.7       96.5       132.1
     0.20          19.8         52.2       54.3        74.3
     0.25          12.7         33.4       34.7        47.6
     0.30           8.8         23.2       24.1        33.0

95 %    R
     0.05         449.9       1184.9     1233.6      1688.6
     0.10         112.5        296.2      308.4       422.1
     0.15          50.0        131.7      137.1       187.6
     0.20          28.1         74.1       77.1       105.5
     0.25          18.0         47.4       49.3        67.5
     0.30          12.5         32.9       34.3        46.9
```

```
VEG TYPE : 2   SITE : 3   SPECIES : ERISPP   MICRO PLOT :

                                                        DRY
                  HEIGHT       COVER    DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS               3          3           3           3
MEAN               8.667     37.000       1.667       0.013
VARIANCE          30.333   2997.000       1.333       0.000
STAN DEV           5.508     54.745       1.155       0.019
STAN ERR           3.180     31.607       0.667       0.011
COEF VAR            63.5      148.0        69.3       146.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               1.185    -37.371       0.098      -0.013
                  16.149    111.371       3.235       0.039

95 %              -1.451    -63.573      -0.455      -0.022
                  18.785    137.573       3.788       0.048

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              -1.389    -62.950      -0.442      -0.022
                  18.722    136.950       3.775       0.048

95 %              -5.554   -104.351      -1.315      -0.036
                  22.887    178.351       4.648       0.062

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05         437.0     2369.0       519.4      2330.8
      0.10         109.3      592.3       129.9       582.7
      0.15          48.6      263.2        57.7       259.0
      0.20          27.3      148.1        32.5       145.7
      0.25          17.5       94.8        20.8        93.2
      0.30          12.1       65.8        14.4        64.7

95 %    R
      0.05         620.6     3364.0       737.6      3309.7
      0.10         155.1      841.0       184.4       827.4
      0.15          69.0      373.8        82.0       367.7
      0.20          38.8      210.2        46.1       206.9
      0.25          24.8      134.6        29.5       132.4
      0.30          17.2       93.4        20.5        91.9
```

```
VEG TYPE : 2    SITE : 3    SPECIES : EUPSPP    MICRO PLOT :

                                                      DRY
                  HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS               7          7          7          7
MEAN               3.143     40.000      3.143      0.013
VARIANCE           2.810    866.667      2.476      0.000
STAN DEV           1.676     29.439      1.574      0.007
STAN ERR           0.634     11.127      0.595      0.003
COEF VAR            53.3       73.6       50.1       53.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               1.942     18.914      2.016      0.008
                   4.343     61.086      4.270      0.018

95 %               1.645     13.685      1.736      0.007
                   4.641     66.315      4.549      0.019

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               1.139      4.813      1.262      0.005
                   5.146     75.187      5.024      0.021

95 %               0.310     -9.761      0.483      0.001
                   5.976     89.761      5.803      0.024

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           307.8      586.2      271.3      309.5
    0.10            77.0      146.5       67.8       77.4
    0.15            34.2       65.1       30.1       34.4
    0.20            19.2       36.6       17.0       19.3
    0.25            12.3       23.4       10.9       12.4
    0.30             8.6       16.3        7.5        8.6

95 %    R
    0.05           437.1      832.3      385.2      439.5
    0.10           109.3      208.1       96.3      109.9
    0.15            48.6       92.5       42.8       48.8
    0.20            27.3       52.0       24.1       27.5
    0.25            17.5       33.3       15.4       17.6
    0.30            12.1       23.1       10.7       12.2
```

```
VEG TYPE : 2   SITE : 3   SPECIES : GUTSAR   MICRO PLOT :

                                                    DRY
                HEIGHT       COVER    DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS            10          10         10         10
MEAN            14.700     397.200      3.900      0.177
VARIANCE        72.678340158.400       20.100      0.075
STAN DEV         8.525     583.231      4.483      0.274
STAN ERR         2.696     184.434      1.418      0.087
COEF VAR          58.0       146.8      115.0      155.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             9.815      63.006      1.331      0.020
                19.585     731.394      6.469      0.334

95 %             8.694     -13.719      0.741     -0.016
                20.706     808.119      7.059      0.370

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             6.175    -186.031     -0.583     -0.097
                23.225     980.431      8.383      0.451

95 %             2.644    -427.614     -2.440     -0.211
                26.756    1222.014     10.240      0.565

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        364.0      2333.2     1430.1     2603.7
     0.10         91.0       583.3      357.5      650.9
     0.15         40.4       259.2      158.9      289.3
     0.20         22.7       145.8       89.4      162.7
     0.25         14.6        93.3       57.2      104.1
     0.30         10.1        64.8       39.7       72.3

95 %    R
     0.05        516.8      3313.1     2030.7     3697.3
     0.10        129.2       828.3      507.7      924.3
     0.15         57.4       368.1      225.6      410.8
     0.20         32.3       207.1      126.9      231.1
     0.25         20.7       132.5       81.2      147.9
     0.30         14.4        92.0       56.4      102.7
```

```
VEG TYPE : 2   SITE : 3   SPECIES : HILJAM   MICRO PLOT :

                                                       DRY
                  HEIGHT       COVER     DENSITY     WEIGHT
------------------------------------------------------------
NUM. OBS              2           2           2           2
MEAN              8.000     165.000      15.000       0.022
VARIANCE          8.000   18050.000      98.000       0.000
STAN DEV          2.828     134.350       9.899       0.020
STAN ERR          2.000      95.000       7.000       0.014
COEF VAR           35.4        81.4        66.0        90.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

 90 %             2.160    -112.400      -5.440      -0.019
                 13.840     442.400      35.440       0.063

 95 %            -0.606    -243.785     -15.121      -0.038
                 16.606     573.785      45.121       0.082

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              1.675    -135.417      -7.136      -0.022
                 14.325     465.417      37.136       0.066

95 %             -0.944    -259.853     -16.305      -0.041
                 16.944     589.853      46.305       0.085

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        135.3       717.5       471.3       876.4
     0.10         33.8       179.4       117.8       219.1
     0.15         15.0        79.7        52.4        97.4
     0.20          8.5        44.8        29.5        54.8
     0.25          5.4        28.7        18.9        35.1
     0.30          3.8        19.9        13.1        24.3

95 %    R
     0.05        192.1      1018.8       669.3      1244.6
     0.10         48.0       254.7       167.3       311.1
     0.15         21.3       113.2        74.4       138.3
     0.20         12.0        63.7        41.8        77.8
     0.25          7.7        40.8        26.8        49.8
     0.30          5.3        28.3        18.6        34.6
```

```
VEG TYPE : 2   SITE : 3   SPECIES : HYMENO   MICRO PLOT 1

                                                  DRY
               HEIGHT      COVER   DENSITY      WEIGHT
-----------------------------------------------------
NUM. OBS            2          2         2           2
MEAN           10.000     82.500     1.000       0.066
VARIANCE       32.000   4512.500     0.000       0.000
STAN DEV        5.657     67.175     0.000       0.012
STAN ERR        4.000     47.500     0.000       0.009
COEF VAR         56.6       81.4       0.0        18.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           -1.680    -56.200     1.000       0.041
               21.680    221.200     1.000       0.090

95 %           -7.212   -121.893     1.000       0.029
               27.212    286.893     1.000       0.102

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           -2.649    -67.708     1.000       0.039
               22.649    232.708     1.000       0.092

95 %           -7.889   -129.927     1.000       0.027
               27.889    294.927     1.000       0.104

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05        346.3      717.5       0.0        36.4
    0.10         86.6      179.4       0.0         9.1
    0.15         38.5       79.7       0.0         4.0
    0.20         21.6       44.8       0.0         2.3
    0.25         13.9       28.7       0.0         1.5
    0.30          9.6       19.9       0.0         1.0

95 %    R
    0.05        491.7     1018.8       0.0        51.8
    0.10        122.9      254.7       0.0        12.9
    0.15         54.6      113.2       0.0         5.8
    0.20         30.7       63.7       0.0         3.2
    0.25         19.7       40.8       0.0         2.1
    0.30         13.7       28.3       0.0         1.4
```

```
VEG TYPE : 2   SITE : 3   SPECIES : JUNOST   MICRO PLOT :

                                                    DRY
               HEIGHT      COVER    DENSITY      WEIGHT
-----------------------------------------------------------

NUM. OBS            3         10          3           3
MEAN          196.333  12723.000      2.000      35.341
VARIANCE  21400.333**********         1.000     974.268
STAN DEV      146.289  14420.381      1.000      31.213
STAN ERR       84.460   4560.125      0.577      18.021
COEF VAR         74.5      113.3       50.0        88.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           -2.400   4460.053      0.641      -7.062
              395.067  20985.947      3.359      77.745

95 %          -72.417   2563.041      0.163     -22.001
              465.084  22882.959      3.837      92.684

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          -70.752  -1697.392      0.174     -21.646
              463.419  27143.392      3.826      92.329

95 %         -181.382  -7670.517     -0.582     -45.251
              574.049  33116.517      4.582     115.934

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05        600.8     1390.1      270.5       844.1
    0.10        150.2      347.5       67.6       211.0
    0.15         66.8      154.5       30.1        93.8
    0.20         37.5       86.9       16.9        52.8
    0.25         24.0       55.6       10.8        33.8
    0.30         16.7       38.6        7.5        23.4

95 %    R
    0.05        853.1     1974.0      384.2      1198.6
    0.10        213.3      493.5       96.0       299.7
    0.15         94.8      219.3       42.7       133.2
    0.20         53.3      123.4       24.0        74.9
    0.25         34.1       79.0       15.4        47.9
    0.30         23.7       54.8       10.7        33.3
```

```
VEG TYPE : 2   SITE : 3   SPECIES : LITTER   MICRO PLOT :

                                                 DRY
                HEIGHT      COVER   DENSITY    WEIGHT
--------------------------------------------------------
NUM. OBS             0         20         0         0
MEAN             0.000   6962.900     0.000     0.000
VARIANCE         0.000**********     0.000     0.000
STAN DEV         0.000  12438.494     0.000     0.000
STAN ERR         0.000   2781.332     0.000     0.000
COEF VAR           0.0      178.6       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000   2165.103     0.000     0.000
                 0.000  11760.697     0.000     0.000

95 %             0.000   1161.042     0.000     0.000
                 0.000  12764.758     0.000     0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000  -1832.450     0.000     0.000
                 0.000  15758.250     0.000     0.000

95 %             0.000  -5475.605     0.000     0.000
                 0.000  19401.405     0.000     0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0     3453.4       0.0       0.0
    0.10           0.0      863.3       0.0       0.0
    0.15           0.0      383.7       0.0       0.0
    0.20           0.0      215.8       0.0       0.0
    0.25           0.0      138.1       0.0       0.0
    0.30           0.0       95.9       0.0       0.0

95 %    R
    0.05           0.0     4903.7       0.0       0.0
    0.10           0.0     1225.9       0.0       0.0
    0.15           0.0      544.9       0.0       0.0
    0.20           0.0      306.5       0.0       0.0
    0.25           0.0      196.1       0.0       0.0
    0.30           0.0      136.2       0.0       0.0
```

```
VEG TYPE : 2    SITE : 3    SPECIES : OPUSPP    MICRO PLOT :

                                                        DRY
                   HEIGHT       COVER    DENSITY     WEIGHT
---------------------------------------------------------------
NUM. OBS                1           1          1          0
MEAN                7.000      40.000      1.000      0.000
VARIANCE            0.000       0.000      0.000      0.000
STAN DEV            0.000       0.000      0.000      0.000
STAN ERR            0.000       0.000      0.000      0.000
COEF VAR              0.0         0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                7.000      40.000      1.000      0.000
                    7.000      40.000      1.000      0.000

95 %                7.000      40.000      1.000      0.000
                    7.000      40.000      1.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                7.000      40.000      1.000      0.000
                    7.000      40.000      1.000      0.000

95 %                7.000      40.000      1.000      0.000
                    7.000      40.000      1.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0         0.0        0.0        0.0
     0.10           0.0         0.0        0.0        0.0
     0.15           0.0         0.0        0.0        0.0
     0.20           0.0         0.0        0.0        0.0
     0.25           0.0         0.0        0.0        0.0
     0.30           0.0         0.0        0.0        0.0

95 %    R
     0.05           0.0         0.0        0.0        0.0
     0.10           0.0         0.0        0.0        0.0
     0.15           0.0         0.0        0.0        0.0
     0.20           0.0         0.0        0.0        0.0
     0.25           0.0         0.0        0.0        0.0
     0.30           0.0         0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 3   SPECIES : ORYHYM   MICRO PLOT :

                                                          DRY
                 HEIGHT       COVER    DENSITY         WEIGHT
-------------------------------------------------------------
NUM. OBS              9           9          9              9
MEAN             19.556      51.333      2.889          0.031
VARIANCE         78.778    3461.000      4.611          0.001
STAN DEV          8.876      58.830      2.147          0.029
STAN ERR          2.959      19.610      0.716          0.010
COEF VAR           45.4       114.6       74.3           95.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             14.133      15.388      1.577          0.013
                 24.979      87.279      4.201          0.049

95 %             12.863       6.975      1.270          0.009
                 26.248      95.691      4.508          0.053

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             10.200     -10.679      0.625         -0.000
                 28.911     113.346      5.152          0.062

95 %              6.324     -36.366     -0.312         -0.013
                 32.787     139.032      6.090          0.075

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          222.9      1421.3      597.9          976.0
    0.10           55.7       355.3      149.5          244.0
    0.15           24.8       157.9       66.4          108.4
    0.20           13.9        88.8       37.4           61.0
    0.25            8.9        56.9       23.9           39.0
    0.30            6.2        39.5       16.6           27.1

95 %    R
    0.05          316.5      2018.2      849.0         1385.9
    0.10           79.1       504.6      212.3          346.5
    0.15           35.2       224.2       94.3          154.0
    0.20           19.8       126.1       53.1           86.6
    0.25           12.7        80.7       34.0           55.4
    0.30            8.8        56.1       23.6           38.5
```

```
VEG TYPE : 2   SITE : 3   SPECIES : POAFEN   MICRO PLOT :

                                                 DRY
                 HEIGHT     COVER   DENSITY    WEIGHT
------------------------------------------------------
NUM. OBS              1         1         1         1
MEAN             37.000     2.000     1.000     0.002
VARIANCE          0.000     0.000     0.000     0.000
STAN DEV          0.000     0.000     0.000     0.000
STAN ERR          0.000     0.000     0.000     0.000
COEF VAR            0.0       0.0       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             37.000     2.000     1.000     0.002
                 37.000     2.000     1.000     0.002

95 %             37.000     2.000     1.000     0.002
                 37.000     2.000     1.000     0.002

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             37.000     2.000     1.000     0.002
                 37.000     2.000     1.000     0.002

95 %             37.000     2.000     1.000     0.002
                 37.000     2.000     1.000     0.002

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0       0.0       0.0       0.0
    0.10            0.0       0.0       0.0       0.0
    0.15            0.0       0.0       0.0       0.0
    0.20            0.0       0.0       0.0       0.0
    0.25            0.0       0.0       0.0       0.0
    0.30            0.0       0.0       0.0       0.0

95 %    R
    0.05            0.0       0.0       0.0       0.0
    0.10            0.0       0.0       0.0       0.0
    0.15            0.0       0.0       0.0       0.0
    0.20            0.0       0.0       0.0       0.0
    0.25            0.0       0.0       0.0       0.0
    0.30            0.0       0.0       0.0       0.0
```

```
VEG TYPE : 2   SITE : 3   SPECIES : SOLRIG   MICRO PLOT :

                                                    DRY
                HEIGHT       COVER    DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS             1           2          2          2
MEAN            20.000      85.000      1.500      0.070
VARIANCE         0.000    8450.000      0.500      0.001
STAN DEV         0.000      91.924      0.707      0.032
STAN ERR         0.000      65.000      0.500      0.022
COEF VAR           0.0       108.1       47.1       45.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            20.000    -104.800      0.040      0.004
                20.000     274.800      2.960      0.135

95 %            20.000    -194.695     -0.652     -0.027
                20.000     364.695      3.652      0.166

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            20.000    -120.548     -0.081     -0.002
                20.000     290.548      3.081      0.141

95 %            20.000    -205.689     -0.736     -0.031
                20.000     375.689      3.736      0.170

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05         0.0      1265.6      240.5      226.8
      0.10         0.0       316.4       60.1       56.7
      0.15         0.0       140.6       26.7       25.2
      0.20         0.0        79.1       15.0       14.2
      0.25         0.0        50.6        9.6        9.1
      0.30         0.0        35.2        6.7        6.3

95 %    R
      0.05         0.0      1797.2      341.5      322.1
      0.10         0.0       449.3       85.4       80.5
      0.15         0.0       199.7       37.9       35.8
      0.20         0.0       112.3       21.3       20.1
      0.25         0.0        71.9       13.7       12.9
      0.30         0.0        49.9        9.5        8.9
```

```
VEG TYPE : 2   SITE : 3   SPECIES : STALIT   MICRO PLOT : 01

                                                      DRY
               HEIGHT      COVER    DENSITY        WEIGHT
-------------------------------------------------------------
NUM. OBS            0          0          0             7
MEAN            0.000      0.000      0.000         0.018
VARIANCE        0.000      0.000      0.000         0.000
STAN DEV        0.000      0.000      0.000         0.011
STAN ERR        0.000      0.000      0.000         0.004
COEF VAR          0.0        0.0        0.0          57.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            0.000      0.000      0.000         0.011
                0.000      0.000      0.000         0.026

95 %            0.000      0.000      0.000         0.009
                0.000      0.000      0.000         0.028

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            0.000      0.000      0.000         0.006
                0.000      0.000      0.000         0.031

95 %            0.000      0.000      0.000         0.001
                0.000      0.000      0.000         0.036

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05          0.0        0.0        0.0         355.7
    0.10          0.0        0.0        0.0          88.9
    0.15          0.0        0.0        0.0          39.5
    0.20          0.0        0.0        0.0          22.2
    0.25          0.0        0.0        0.0          14.2
    0.30          0.0        0.0        0.0           9.9

95 %   R
    0.05          0.0        0.0        0.0         505.0
    0.10          0.0        0.0        0.0         126.3
    0.15          0.0        0.0        0.0          56.1
    0.20          0.0        0.0        0.0          31.6
    0.25          0.0        0.0        0.0          20.2
    0.30          0.0        0.0        0.0          14.0
```

```
VEG TYPE : 2   SITE : 3   SPECIES : STALIT   MICRO PLOT : 02

                                                     DRY
                 HEIGHT      COVER     DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS              0          0          0          2
MEAN              0.000      0.000      0.000      0.010
VARIANCE          0.000      0.000      0.000      0.000
STAN DEV          0.000      0.000      0.000      0.001
STAN ERR          0.000      0.000      0.000      0.000
COEF VAR            0.0        0.0        0.0        7.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000      0.000      0.000      0.008
                  0.000      0.000      0.000      0.011

95 %              0.000      0.000      0.000      0.007
                  0.000      0.000      0.000      0.012

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000      0.000      0.000      0.008
                  0.000      0.000      0.000      0.011

95 %              0.000      0.000      0.000      0.007
                  0.000      0.000      0.000      0.012

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
K OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    K
    0.05            0.0        0.0        0.0        6.0
    0.10            0.0        0.0        0.0        1.5
    0.15            0.0        0.0        0.0        0.7
    0.20            0.0        0.0        0.0        0.4
    0.25            0.0        0.0        0.0        0.2
    0.30            0.0        0.0        0.0        0.2

95 %    K
    0.05            0.0        0.0        0.0        8.5
    0.10            0.0        0.0        0.0        2.1
    0.15            0.0        0.0        0.0        0.9
    0.20            0.0        0.0        0.0        0.5
    0.25            0.0        0.0        0.0        0.3
    0.30            0.0        0.0        0.0        0.2
```

```
                                                      DRY
                  HEIGHT       COVER   DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS               1           1         1           1
MEAN              50.000       4.000     1.000       0.020
VARIANCE           0.000       0.000     0.000       0.000
STAN DEV           0.000       0.000     0.000       0.000
STAN ERR           0.000       0.000     0.000       0.000
COEF VAR             0.0         0.0       0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              50.000       4.000     1.000       0.020
                  50.000       4.000     1.000       0.020

95 %              50.000       4.000     1.000       0.020
                  50.000       4.000     1.000       0.020

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              50.000       4.000     1.000       0.020
                  50.000       4.000     1.000       0.020

95 %              50.000       4.000     1.000       0.020
                  50.000       4.000     1.000       0.020

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0         0.0       0.0         0.0
     0.10          0.0         0.0       0.0         0.0
     0.15          0.0         0.0       0.0         0.0
     0.20          0.0         0.0       0.0         0.0
     0.25          0.0         0.0       0.0         0.0
     0.30          0.0         0.0       0.0         0.0

95 %    R
     0.05          0.0         0.0       0.0         0.0
     0.10          0.0         0.0       0.0         0.0
     0.15          0.0         0.0       0.0         0.0
     0.20          0.0         0.0       0.0         0.0
     0.25          0.0         0.0       0.0         0.0
     0.30          0.0         0.0       0.0         0.0
```

```
VEG TYPE : 2    SITE : 4    SPECIES : ARTLUD    MICRO PLOT :

                                                     DRY
                 HEIGHT       COVER    DENSITY     WEIGHT
----------------------------------------------------------
NUM. OBS              1           1          1          1
MEAN              5.000     200.000      3.000      0.084
VARIANCE          0.000       0.000      0.000      0.000
STAN DEV          0.000       0.000      0.000      0.000
STAN ERR          0.000       0.000      0.000      0.000
COEF VAR            0.0         0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              5.000     200.000      3.000      0.084
                  5.000     200.000      3.000      0.084

95 %              5.000     200.000      3.000      0.084
                  5.000     200.000      3.000      0.084

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              5.000     200.000      3.000      0.084
                  5.000     200.000      3.000      0.084

95 %              5.000     200.000      3.000      0.084
                  5.000     200.000      3.000      0.084

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0         0.0        0.0        0.0
     0.10           0.0         0.0        0.0        0.0
     0.15           0.0         0.0        0.0        0.0
     0.20           0.0         0.0        0.0        0.0
     0.25           0.0         0.0        0.0        0.0
     0.30           0.0         0.0        0.0        0.0

95 %    R
     0.05           0.0         0.0        0.0        0.0
     0.10           0.0         0.0        0.0        0.0
     0.15           0.0         0.0        0.0        0.0
     0.20           0.0         0.0        0.0        0.0
     0.25           0.0         0.0        0.0        0.0
     0.30           0.0         0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 4   SPECIES : ARTNOV   MICRO PLOT :

                                                  DRY
              HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------
NUM. OBS          17         17         17         17
MEAN           9.647    649.647      3.059      0.252
VARIANCE       7.368332459.493       4.184      0.030
STAN DEV       2.714    576.593      2.045      0.174
STAN ERR       0.658    139.844      0.496      0.042
COEF VAR        28.1       67.9       66.9       68.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           8.502    606.318      2.196      0.179
              10.793   1092.976      3.922      0.325

95 %           8.258    554.575      2.012      0.163
              11.036   1144.719      4.106      0.341

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           7.565    407.420      1.490      0.119
              11.729   1291.874      4.628      0.385

95 %           6.703    224.244      0.840      0.064
              12.591   1475.051      5.277      0.441

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       85.7      498.4      483.9      513.4
     0.10       21.4      124.6      121.0      128.4
     0.15        9.5       55.4       53.8       57.0
     0.20        5.4       31.1       30.2       32.1
     0.25        3.4       19.9       19.4       20.5
     0.30        2.4       13.8       13.4       14.3

95 %    R
     0.05      121.6      707.7      687.1      729.0
     0.10       30.4      176.9      171.8      182.3
     0.15       13.5       78.6       76.3       81.0
     0.20        7.6       44.2       42.9       45.6
     0.25        4.9       28.3       27.5       29.2
     0.30        3.4       19.7       19.1       20.3
```

```
VEG TYPE : 2    SITE : 4    SPECIES : ATRCON    MICRO PLOT :

                                                         DRY
                 HEIGHT       COVER     DENSITY       WEIGHT
-------------------------------------------------------------
NUM. OBS            11           11          11           11
MEAN            12.182      411.273       3.545        0.285
VARIANCE        51.964176932.818          6.273        0.178
STAN DEV         7.209      420.634       2.505        0.422
STAN ERR         2.173      126.826       0.755        0.127
COEF VAR          59.2        102.3        70.6        148.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             8.278      183.493       2.189        0.056
                16.085      639.052       4.902        0.514

95 %             7.398      132.129       1.883        0.005
                16.966      690.416       5.208        0.565

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             5.309       10.214       1.157       -0.118
                19.055      812.332       5.933        0.688

95 %             2.462     -155.910       0.168       -0.285
                21.902      978.456       6.923        0.854

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        378.9       1132.0       540.0       2378.1
     0.10         94.7        283.0       135.0        594.5
     0.15         42.1        125.8        60.0        264.2
     0.20         23.7         70.7        33.8        148.6
     0.25         15.2         45.3        21.6         95.1
     0.30         10.5         31.4        15.0         66.1

95 %    R
     0.05        538.1       1607.4       766.8       3376.9
     0.10        134.5        401.8       191.7        844.2
     0.15         59.8        178.6        85.2        375.2
     0.20         33.6        100.5        47.9        211.1
     0.25         21.5         64.3        30.7        135.1
     0.30         14.9         44.6        21.3         93.8
```

```
VEG TYPE : 2   SITE : 4   SPECIES : DARGRO   MICRO PLOT :

                                                     DRY
                HEIGHT      COVER   DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS              0         20         0          0
MEAN              0.000  34679.350     0.000      0.000
VARIANCE          0.000**********     0.000      0.000
STAN DEV          0.000   8608.245     0.000      0.000
STAN ERR          0.000   1924.862     0.000      0.000
COEF VAR            0.0       24.8       0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000  31358.963     0.000      0.000
                  0.000  37999.737     0.000      0.000

95 %              0.000  30664.088     0.000      0.000
                  0.000  38694.612     0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000  28592.397     0.000      0.000
                  0.000  40766.303     0.000      0.000

95 %              0.000  26071.097     0.000      0.000
                  0.000  43287.603     0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0       66.7       0.0        0.0
    0.10            0.0       16.7       0.0        0.0
    0.15            0.0        7.4       0.0        0.0
    0.20            0.0        4.2       0.0        0.0
    0.25            0.0        2.7       0.0        0.0
    0.30            0.0        1.9       0.0        0.0

95 %    R
    0.05            0.0       94.7       0.0        0.0
    0.10            0.0       23.7       0.0        0.0
    0.15            0.0       10.5       0.0        0.0
    0.20            0.0        5.9       0.0        0.0
    0.25            0.0        3.8       0.0        0.0
    0.30            0.0        2.6       0.0        0.0
```

```
VEG TYPE : 2   SITE : 4   SPECIES : CRUCIF   MICRO PLOT :

                                                    DRY
                HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS             6          6          6          6
MEAN            29.833     33.500      1.667      0.107
VARIANCE       348.167   1333.500      1.067      0.009
STAN DEV        18.659     36.517      1.033      0.094
STAN ERR         7.618     14.908      0.422      0.038
COEF VAR          62.5      109.0       62.0       87.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            15.032      4.534      0.847      0.033
                44.634     62.466      2.486      0.181

95 %            11.193     -2.980      0.635      0.013
                48.474     69.980      2.698      0.201

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             5.744    -13.643      0.333     -0.014
                53.922     80.643      3.000      0.228

95 %            -4.234    -33.171     -0.219     -0.064
                63.900    100.171      3.552      0.278

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        423.3     1285.8      415.5      829.0
     0.10        105.8      321.5      103.9      207.3
     0.15         47.0      142.9       46.2       92.1
     0.20         26.5       80.4       26.0       51.8
     0.25         16.9       51.4       16.6       33.2
     0.30         11.8       35.7       11.5       23.0

95 %    R
     0.05        601.1     1825.9      590.1     1177.2
     0.10        150.3      456.5      147.5      294.3
     0.15         66.8      202.9       65.6      130.8
     0.20         37.6      114.1       36.9       73.6
     0.25         24.0       73.0       23.6       47.1
     0.30         16.7       50.7       16.4       32.7
```

```
VEG TYPE : 2    SITE : 4    SPECIES : ERIGSP    MICRO PLOT :

                                                    DRY
                  HEIGHT       COVER   DENSITY    WEIGHT
-----------------------------------------------------------
NUM. OBS              2           2          2          2
MEAN             16.500      55.000      1.000      0.037
VARIANCE          0.500    1250.000      0.000      0.001
STAN DEV          0.707      35.355      0.000      0.024
STAN ERR          0.500      25.000      0.000      0.017
COEF VAR            4.3        64.3        0.0       65.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             15.040     -18.000      1.000     -0.013
                 17.960     128.000      1.000      0.087

95 %             14.348     -52.575      1.000     -0.036
                 18.652     162.575      1.000      0.110

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             14.919     -24.057      1.000     -0.017
                 18.081     134.057      1.000      0.091

95 %             14.264     -56.804      1.000     -0.039
                 18.736     166.804      1.000      0.113

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05             2.0       447.2        0.0      456.9
     0.10             0.5       111.8        0.0      114.2
     0.15             0.2        49.7        0.0       50.8
     0.20             0.1        27.9        0.0       28.6
     0.25             0.1        17.9        0.0       18.3
     0.30             0.1        12.4        0.0       12.7

95 %    R
     0.05             2.8       635.0        0.0      648.8
     0.10             0.7       158.7        0.0      162.2
     0.15             0.3        70.6        0.0       72.1
     0.20             0.2        39.7        0.0       40.5
     0.25             0.1        25.4        0.0       26.0
     0.30             0.1        17.6        0.0       18.0
```

```
VEG TYPE : 2   SITE : 4   SPECIES : ERISPP   MICRO PLOT :

                                                       DRY
                 HEIGHT      COVER    DENSITY        WEIGHT
-----------------------------------------------------------
NUM. OBS              3          3          3             3
MEAN              9.667     15.000      1.333         0.011
VARIANCE         32.333     75.000      0.333         0.000
STAN DEV          5.686      8.660      0.577         0.005
STAN ERR          3.283      5.000      0.333         0.003
COEF VAR           58.8       57.7       43.3          45.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              1.942      3.235      0.549         0.004
                 17.391     26.765      2.118         0.018

95 %             -0.780     -0.910      0.273         0.002
                 20.113     30.910      2.394         0.021

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -0.715     -0.811      0.279         0.002
                 20.048     30.811      2.387         0.021

95 %             -5.015     -7.361     -0.157        -0.002
                 24.348     37.361      2.824         0.025

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         374.4      360.7      202.9         221.9
     0.10          93.6       90.2       50.7          55.5
     0.15          41.6       40.1       22.5          24.7
     0.20          23.4       22.5       12.7          13.9
     0.25          15.0       14.4        8.1           8.9
     0.30          10.4       10.0        5.6           6.2

95 %    R
     0.05         531.7      512.2      288.1         315.0
     0.10         132.9      128.1       72.0          78.8
     0.15          59.1       56.9       32.0          35.0
     0.20          33.2       32.0       18.0          19.7
     0.25          21.3       20.5       11.5          12.6
     0.30          14.8       14.2        8.0           8.8
```

```
VEG TYPE : 2   SITE : 4   SPECIES : EUPSPP   MICRO PLOT :

                                                       DRY
                  HEIGHT      COVER   DENSITY      WEIGHT
----------------------------------------------------------
NUM. OBS              11         11        11          11
MEAN               3.909     69.818     3.818       0.022
VARIANCE           2.891   1881.364    18.964       0.000
STAN DEV           1.700     43.375     4.355       0.018
STAN ERR           0.513     13.078     1.313       0.005
COEF VAR            43.5       62.1     114.1        81.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               2.988     46.330     1.460       0.012
                   4.830     93.306     6.176       0.032

95 %               2.781     41.034     0.928       0.010
                   5.037     98.603     6.708       0.034

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               2.288     28.462    -0.334       0.005
                   5.530    111.174     7.970       0.039

95 %               1.616     11.332    -2.054      -0.002
                   6.202    128.305     9.690       0.046

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          204.7      417.7    1407.6       716.9
     0.10           51.2      104.4     351.9       179.2
     0.15           22.7       46.4     156.4        79.7
     0.20           12.8       26.1      88.0        44.8
     0.25            8.2       16.7      56.3        28.7
     0.30            5.7       11.6      39.1        19.9

95 %    R
     0.05          290.7      593.1    1998.9      1018.0
     0.10           72.7      148.3     499.7       254.5
     0.15           32.3       65.9     222.1       113.1
     0.20           18.2       37.1     124.9        63.6
     0.25           11.6       23.7      80.0        40.7
     0.30            8.1       16.5      55.5        28.3
```

```
VEG TYPE : 2   SITE : 4   SPECIES : GUTSAR   MICRO PLOT :

                                                      DRY
                  HEIGHT      COVER   DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS               8          8         8           8
MEAN              13.625     54.750     2.750       0.043
VARIANCE          51.125   4992.500     2.500       0.003
STAN DEV           7.150     70.658     1.581       0.052
STAN ERR           2.528     24.981     0.559       0.018
COEF VAR           52.5       129.1      57.5       120.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               8.923      8.285     1.710       0.009
                  18.327    101.215     3.790       0.077

95 %               7.796     -2.857     1.461       0.001
                  19.454    112.357     4.039       0.085

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               5.631    -24.248     0.982      -0.015
                  21.619    133.748     4.518       0.100

95 %               2.320    -56.970     0.250      -0.039
                  24.930    166.470     5.250       0.124

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %     R
     0.05          298.0     1802.3     357.7      1579.4
     0.10           74.5      450.6      89.4       394.9
     0.15           33.1      200.3      39.7       175.5
     0.20           18.6      112.6      22.4        98.7
     0.25           11.9       72.1      14.3        63.2
     0.30            8.3       50.1       9.9        43.9

95 %     R
     0.05          423.2     2559.3     508.0      2242.8
     0.10          105.8      639.8     127.0       560.7
     0.15           47.0      284.4      56.4       249.2
     0.20           26.4      160.0      31.7       140.2
     0.25           16.9      102.4      20.3        89.7
     0.30           11.8       71.1      14.1        62.3
```

```
VEG TYPE : 2   SITE : 4   SPECIES : HALGLO   MICRO PLOT :

                                                  DRY
                 HEIGHT     COVER   DENSITY    WEIGHT
-----------------------------------------------------
NUM. OBS            1           1         1         1
MEAN           12.000     100.000    20.000     0.118
VARIANCE        0.000       0.000     0.000     0.000
STAN DEV        0.000       0.000     0.000     0.000
STAN ERR        0.000       0.000     0.000     0.000
COEF VAR          0.0         0.0       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           12.000     100.000    20.000     0.118
               12.000     100.000    20.000     0.118

95 %           12.000     100.000    20.000     0.118
               12.000     100.000    20.000     0.118

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           12.000     100.000    20.000     0.118
               12.000     100.000    20.000     0.118

95 %           12.000     100.000    20.000     0.118
               12.000     100.000    20.000     0.118

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          0.0         0.0       0.0       0.0
    0.10          0.0         0.0       0.0       0.0
    0.15          0.0         0.0       0.0       0.0
    0.20          0.0         0.0       0.0       0.0
    0.25          0.0         0.0       0.0       0.0
    0.30          0.0         0.0       0.0       0.0

95 %    R
    0.05          0.0         0.0       0.0       0.0
    0.10          0.0         0.0       0.0       0.0
    0.15          0.0         0.0       0.0       0.0
    0.20          0.0         0.0       0.0       0.0
    0.25          0.0         0.0       0.0       0.0
    0.30          0.0         0.0       0.0       0.0
```

```
VEG TYPE : 2   SITE : 4   SPECIES : HILJAM   MICRO PLOT :

                                                   DRY
                HEIGHT      COVER    DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS             1          1          1          1
MEAN            10.000     80.000      9.000      0.032
VARIANCE         0.000      0.000      0.000      0.000
STAN DEV         0.000      0.000      0.000      0.000
STAN ERR         0.000      0.000      0.000      0.000
COEF VAR           0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            10.000     80.000      9.000      0.032
                10.000     80.000      9.000      0.032

95 %            10.000     80.000      9.000      0.032
                10.000     80.000      9.000      0.032

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            10.000     80.000      9.000      0.032
                10.000     80.000      9.000      0.032

95 %            10.000     80.000      9.000      0.032
                10.000     80.000      9.000      0.032

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0        0.0        0.0        0.0
    0.10           0.0        0.0        0.0        0.0
    0.15           0.0        0.0        0.0        0.0
    0.20           0.0        0.0        0.0        0.0
    0.25           0.0        0.0        0.0        0.0
    0.30           0.0        0.0        0.0        0.0

95 %    R
    0.05           0.0        0.0        0.0        0.0
    0.10           0.0        0.0        0.0        0.0
    0.15           0.0        0.0        0.0        0.0
    0.20           0.0        0.0        0.0        0.0
    0.25           0.0        0.0        0.0        0.0
    0.30           0.0        0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 4   SPECIES : JUNOST   MICRO PLOT :

                                                  DRY
               HEIGHT      COVER    DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS            4         12          4          4
MEAN          105.250   6818.333      1.250     12.466
VARIANCE     8150.250*********        0.250    142.801
STAN DEV       90.279   8584.385      0.500     11.950
STAN ERR       45.139   2478.099      0.250      5.975
COEF VAR         85.8      125.9       40.0       95.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            9.013   2402.362      0.717     -0.272
              201.487  11234.305      1.783     25.205

95 %          -20.057   1418.557      0.556     -4.120
              230.557  12218.110      1.944     29.053

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          -37.493  -1018.108      0.459     -6.428
              247.993  14654.775      2.041     31.361

95 %          -96.620  -4264.070      0.132    -14.255
              307.120  17900.737      2.368     39.187

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       796.2     1715.3      173.1      994.4
     0.10       199.0      428.8       43.3      248.6
     0.15        88.5      190.6       19.2      110.5
     0.20        49.8      107.2       10.8       62.1
     0.25        31.8       68.6        6.9       39.8
     0.30        22.1       47.6        4.8       27.6

95 %    R
     0.05      1130.6     2435.8      245.9     1412.0
     0.10       282.6      608.9       61.5      353.0
     0.15       125.6      270.6       27.3      156.9
     0.20        70.7      152.2       15.4       88.2
     0.25        45.2       97.4        9.8       56.5
     0.30        31.4       67.7        6.8       39.2
```

```
VEG TYPE : 2   SITE : 4   SPECIES : LITTER   MICRO PLOT :

                                                  DRY
                  HEIGHT      COVER    DENSITY    WEIGHT
---------------------------------------------------------
NUM. OBS              0          20          0          0
MEAN              0.000    4176.500      0.000      0.000
VARIANCE          0.000**********        0.000      0.000
STAN DEV          0.000    8864.457      0.000      0.000
STAN ERR          0.000    1982.153      0.000      0.000
COEF VAR            0.0       212.2        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000     757.286      0.000      0.000
                  0.000    7595.714      0.000      0.000

95 %              0.000      41.729      0.000      0.000
                  0.000    8311.271      0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000   -2091.622      0.000      0.000
                  0.000   10444.622      0.000      0.000

95 %              0.000   -4687.965      0.000      0.000
                  0.000   13040.965      0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %     R
     0.05           0.0      4874.9        0.0        0.0
     0.10           0.0      1218.7        0.0        0.0
     0.15           0.0       541.7        0.0        0.0
     0.20           0.0       304.7        0.0        0.0
     0.25           0.0       195.0        0.0        0.0
     0.30           0.0       135.4        0.0        0.0

95 %     R
     0.05           0.0      6922.3        0.0        0.0
     0.10           0.0      1730.6        0.0        0.0
     0.15           0.0       769.1        0.0        0.0
     0.20           0.0       432.6        0.0        0.0
     0.25           0.0       276.9        0.0        0.0
     0.30           0.0       192.3        0.0        0.0
```

```
                                                         DRY
                 HEIGHT      COVER   DENSITY     WEIGHT
----------------------------------------------------------
NUM. OBS              1          1          1          0
MEAN              4.000     90.000      1.000      0.000
VARIANCE          0.000      0.000      0.000      0.000
STAN DEV          0.000      0.000      0.000      0.000
STAN ERR          0.000      0.000      0.000      0.000
COEF VAR            0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              4.000     90.000      1.000      0.000
                  4.000     90.000      1.000      0.000

95 %              4.000     90.000      1.000      0.000
                  4.000     90.000      1.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              4.000     90.000      1.000      0.000
                  4.000     90.000      1.000      0.000

95 %              4.000     90.000      1.000      0.000
                  4.000     90.000      1.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0        0.0        0.0        0.0
    0.10            0.0        0.0        0.0        0.0
    0.15            0.0        0.0        0.0        0.0
    0.20            0.0        0.0        0.0        0.0
    0.25            0.0        0.0        0.0        0.0
    0.30            0.0        0.0        0.0        0.0

95 %    R
    0.05            0.0        0.0        0.0        0.0
    0.10            0.0        0.0        0.0        0.0
    0.15            0.0        0.0        0.0        0.0
    0.20            0.0        0.0        0.0        0.0
    0.25            0.0        0.0        0.0        0.0
    0.30            0.0        0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 4   SPECIES : ORYHYM   MICRO PLOT :

                                                    DRY
               HEIGHT     COVER    DENSITY      WEIGHT
-------------------------------------------------------
NUM, OBS           15        15         15          15
MEAN           18.267    45.867      2.933       0.042
VARIANCE       99.495  3886.695      3.924       0.003
STAN DEV        9.975    62.343      1.981       0.056
STAN ERR        2.575    16.097      0.511       0.014
COEF VAR         54.6     135.9       67.5       131.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           13.752    17.649      2.037       0.017
               22.781    74.085      3.830       0.068

95 %           12.778    11.564      1.843       0.012
               23.755    80.169      4.023       0.073

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           10.122    -5.037      1.316      -0.003
               26.411    96.770      4.551       0.088

95 %            6.749   -26.121      0.646      -0.022
               29.785   117.855      5.221       0.107

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       322.7    1999.3      493.5      1869.7
     0.10        80.7     499.8      123.4       467.4
     0.15        35.9     222.1       54.8       207.7
     0.20        20.2     125.0       30.8       116.9
     0.25        12.9      80.0       19.7        74.8
     0.30         9.0      55.5       13.7        51.9

95 %    R
     0.05       458.2    2839.0      700.7      2655.0
     0.10       114.6     709.7      175.2       663.7
     0.15        50.9     315.4       77.9       295.0
     0.20        28.6     177.4       43.8       165.9
     0.25        18.3     113.6       28.0       106.2
     0.30        12.7      78.9       19.5        73.7
```

```
VEG TYPE : 2   SITE : 4   SPECIES : POASAN   MICRO PLOT :

                                                  DRY
                 HEIGHT      COVER   DENSITY    WEIGHT
---------------------------------------------------------
NUM. OBS              1          1         1         1
MEAN              7.000      2.000     3.000     0.006
VARIANCE          0.000      0.000     0.000     0.000
STAN DEV          0.000      0.000     0.000     0.000
STAN ERR          0.000      0.000     0.000     0.000
COEF VAR            0.0        0.0       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              7.000      2.000     3.000     0.006
                  7.000      2.000     3.000     0.006

95 %              7.000      2.000     3.000     0.006
                  7.000      2.000     3.000     0.006

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              7.000      2.000     3.000     0.006
                  7.000      2.000     3.000     0.006

95 %              7.000      2.000     3.000     0.006
                  7.000      2.000     3.000     0.006

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0        0.0       0.0       0.0
     0.10           0.0        0.0       0.0       0.0
     0.15           0.0        0.0       0.0       0.0
     0.20           0.0        0.0       0.0       0.0
     0.25           0.0        0.0       0.0       0.0
     0.30           0.0        0.0       0.0       0.0

95 %    R
     0.05           0.0        0.0       0.0       0.0
     0.10           0.0        0.0       0.0       0.0
     0.15           0.0        0.0       0.0       0.0
     0.20           0.0        0.0       0.0       0.0
     0.25           0.0        0.0       0.0       0.0
     0.30           0.0        0.0       0.0       0.0
```

```
VEG TYPE : 2   SITE : 4   SPECIES : POASAN   MICRO PLOT :

                                                    DRY
                HEIGHT      COVER    DENSITY      WEIGHT
------------------------------------------------------------
NUM. OBS             1          1          1           1
MEAN            10.000     20.000      1.000       0.007
VARIANCE         0.000      0.000      0.000       0.000
STAN DEV         0.000      0.000      0.000       0.000
STAN ERR         0.000      0.000      0.000       0.000
COEF VAR           0.0        0.0        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            10.000     20.000      1.000       0.007
                10.000     20.000      1.000       0.007

95 %            10.000     20.000      1.000       0.007
                10.000     20.000      1.000       0.007

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            10.000     20.000      1.000       0.007
                10.000     20.000      1.000       0.007

95 %            10.000     20.000      1.000       0.007
                10.000     20.000      1.000       0.007

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0        0.0        0.0         0.0
     0.10          0.0        0.0        0.0         0.0
     0.15          0.0        0.0        0.0         0.0
     0.20          0.0        0.0        0.0         0.0
     0.25          0.0        0.0        0.0         0.0
     0.30          0.0        0.0        0.0         0.0

95 %    R
     0.05          0.0        0.0        0.0         0.0
     0.10          0.0        0.0        0.0         0.0
     0.15          0.0        0.0        0.0         0.0
     0.20          0.0        0.0        0.0         0.0
     0.25          0.0        0.0        0.0         0.0
     0.30          0.0        0.0        0.0         0.0
```

```
VEG TYPE : 2   SITE : 4   SPECIES : SOLRIG   MICRO PLOT :

                                                     DRY
                HEIGHT      COVER    DENSITY       WEIGHT
----------------------------------------------------------
NUM. OBS             2          2          2            2
MEAN            34.500     35.000      1.000        0.025
VARIANCE       840.500    450.000      0.000        0.000
STAN DEV        28.991     21.213      0.000        0.010
STAN ERR        20.500     15.000      0.000        0.007
COEF VAR          84.0       60.6        0.0         39.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           -25.360     -8.800      1.000        0.005
                94.360     78.800      1.000        0.045

95 %           -53.712    -29.545      1.000       -0.005
               122.712     99.545      1.000        0.055

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           -30.327    -12.434      1.000        0.003
                99.327     82.434      1.000        0.047

95 %           -57.179    -32.082      1.000       -0.006
               126.179    102.082      1.000        0.056

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05       764.2      397.5        0.0        169.7
      0.10       191.0       99.4        0.0         42.4
      0.15        84.9       44.2        0.0         18.9
      0.20        47.8       24.8        0.0         10.6
      0.25        30.6       15.9        0.0          6.8
      0.30        21.2       11.0        0.0          4.7

95 %    R
      0.05      1085.1      564.5        0.0        240.9
      0.10       271.3      141.1        0.0         60.2
      0.15       120.6       62.7        0.0         26.8
      0.20        67.8       35.3        0.0         15.1
      0.25        43.4       22.6        0.0          9.6
      0.30        30.1       15.7        0.0          6.7
```

```
VEG TYPE : 2   SITE : 4   SPECIES : STALIT   MICRO PLOT : 01

                                                       DRY
                  HEIGHT       COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS              0           0          0           6
MEAN              0.000       0.000      0.000       0.069
VARIANCE          0.000       0.000      0.000       0.006
STAN DEV          0.000       0.000      0.000       0.079
STAN ERR          0.000       0.000      0.000       0.032
COEF VAR            0.0         0.0        0.0       114.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000       0.000      0.000       0.006
                  0.000       0.000      0.000       0.132

95 %              0.000       0.000      0.000      -0.010
                  0.000       0.000      0.000       0.148

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000       0.000      0.000      -0.033
                  0.000       0.000      0.000       0.171

95 %              0.000       0.000      0.000      -0.075
                  0.000       0.000      0.000       0.213

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0        0.0         0.0     1417.4
    0.10            0.0        0.0         0.0      354.4
    0.15            0.0        0.0         0.0      157.5
    0.20            0.0        0.0         0.0       88.6
    0.25            0.0        0.0         0.0       56.7
    0.30            0.0        0.0         0.0       39.4

95 %    R
    0.05            0.0        0.0         0.0     2012.7
    0.10            0.0        0.0         0.0      503.2
    0.15            0.0        0.0         0.0      223.6
    0.20            0.0        0.0         0.0      125.8
    0.25            0.0        0.0         0.0       80.5
    0.30            0.0        0.0         0.0       55.9
```

```
VEG TYPE : 2   SITE : 4   SPECIES : STALIT   MICRO PLOT : 02

                                                     DRY
                 HEIGHT      COVER     DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS               0           0           0          2
MEAN               0.000       0.000       0.000      0.030
VARIANCE           0.000       0.000       0.000      0.000
STAN DEV           0.000       0.000       0.000      0.007
STAN ERR           0.000       0.000       0.000      0.005
COEF VAR             0.0         0.0         0.0       23.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000       0.000       0.000      0.015
                   0.000       0.000       0.000      0.045

95 %               0.000       0.000       0.000      0.008
                   0.000       0.000       0.000      0.052

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000       0.000       0.000      0.014
                   0.000       0.000       0.000      0.046

95 %               0.000       0.000       0.000      0.008
                   0.000       0.000       0.000      0.052

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05             0.0         0.0         0.0       60.1
    0.10             0.0         0.0         0.0       15.0
    0.15             0.0         0.0         0.0        6.7
    0.20             0.0         0.0         0.0        3.8
    0.25             0.0         0.0         0.0        2.4
    0.30             0.0         0.0         0.0        1.7

95 %   R
    0.05             0.0         0.0         0.0       85.4
    0.10             0.0         0.0         0.0       21.3
    0.15             0.0         0.0         0.0        9.5
    0.20             0.0         0.0         0.0        5.3
    0.25             0.0         0.0         0.0        3.4
    0.30             0.0         0.0         0.0        2.4
```

```
VEG TYPE : 2   SITE : 5   SPECIES : AGRSMI   MICRO PLOT :

                                                           DRY
                 HEIGHT       COVER    DENSITY        WEIGHT
--------------------------------------------------------------
NUM. OBS              1           1          1             1
MEAN             17.000     200.000     17.000         0.084
VARIANCE          0.000       0.000      0.000         0.000
STAN DEV          0.000       0.000      0.000         0.000
STAN ERR          0.000       0.000      0.000         0.000
COEF VAR            0.0         0.0        0.0           0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             17.000     200.000     17.000         0.084
                 17.000     200.000     17.000         0.084

95 %             17.000     200.000     17.000         0.084
                 17.000     200.000     17.000         0.084

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             17.000     200.000     17.000         0.084
                 17.000     200.000     17.000         0.084

95 %             17.000     200.000     17.000         0.084
                 17.000     200.000     17.000         0.084

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05          0.0         0.0        0.0         0.0
      0.10          0.0         0.0        0.0         0.0
      0.15          0.0         0.0        0.0         0.0
      0.20          0.0         0.0        0.0         0.0
      0.25          0.0         0.0        0.0         0.0
      0.30          0.0         0.0        0.0         0.0

95 %    R
      0.05          0.0         0.0        0.0         0.0
      0.10          0.0         0.0        0.0         0.0
      0.15          0.0         0.0        0.0         0.0
      0.20          0.0         0.0        0.0         0.0
      0.25          0.0         0.0        0.0         0.0
      0.30          0.0         0.0        0.0         0.0
```

```
    TYPE : 2   SITE : 3   SPECIES : ARTLUD   MICRO PLOT :

                                                          DRY
                   HEIGHT        COVER    DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS                5            5          5           4
MEAN                4.200       21.000      1.200       0.010
VARIANCE            0.700      305.000      0.200       0.000
STAN DEV            0.837       17.464      0.447       0.006
STAN ERR            0.374        7.810      0.200       0.003
COEF VAR             19.9         83.2       37.3        54.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                3.446        5.262      0.797       0.004
                    4.954       36.738      1.603       0.016

95 %                3.238        0.920      0.686       0.003
                    5.162       41.080      1.714       0.018

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                3.017       -3.698      0.568       0.001
                    5.383       45.698      1.832       0.019

95 %                2.527      -13.929      0.306      -0.002
                    5.873       55.929      2.094       0.023

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            42.9        748.4      150.3       318.4
     0.10            10.7        187.1       37.6        79.6
     0.15             4.8         83.2       16.7        35.4
     0.20             2.7         46.8        9.4        19.9
     0.25             1.7         29.9        6.0        12.7
     0.30             1.2         20.8        4.2         8.8

95 %    R
     0.05            61.0       1002.8      213.4       452.2
     0.10            15.2        265.7       53.4       113.0
     0.15             6.8        118.1       23.7        50.2
     0.20             3.8         66.4       13.3        28.3
     0.25             2.4         42.5        8.5        18.1
     0.30             1.7         29.5        5.9        12.6
```

```
VEG TYPE : 2    SITE : 5    SPECIES : ARTNOV    MICRO PLOT 1

                                                        DRY
                   HEIGHT      COVER    DENSITY       WEIGHT
-------------------------------------------------------------
NUM. OBS              14          15         14           14
MEAN              12.571    1086.133      5.357        0.273
VARIANCE         100.879***********      25.170        0.141
STAN DEV          10.044    1295.036      5.017        0.375
STAN ERR           2.684     334.377      1.341        0.100
COEF VAR            79.9       119.2       93.7        137.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               7.844     499.971      2.996        0.096
                  17.299    1672.296      7.718        0.449

95 %               6.814     373.576      2.481        0.058
                  18.329    1798.690      8.233        0.488

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               4.083      28.740      1.117       -0.044
                  21.060    2143.526      9.597        0.590

95 %               0.567    -409.246     -0.639       -0.176
                  24.576    2581.513     11.354        0.721

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05         690.7      1538.4      949.1       2047.3
      0.10         172.7       384.6      237.3        511.8
      0.15          76.7       170.9      105.5        227.5
      0.20          43.2        96.2       59.3        128.0
      0.25          27.6        61.5       38.0         81.9
      0.30          19.2        42.7       26.4         56.9

95 %    R
      0.05         980.9      2184.6     1347.7       2907.2
      0.10         245.2       546.1      336.9        726.8
      0.15         109.0       242.7      149.7        323.0
      0.20          61.3       136.5       84.2        181.7
      0.25          39.2        87.4       53.9        116.3
      0.30          27.2        60.7       37.4         80.8
```

```
VEG TYPE : 2   SITE : 5   SPECIES : ASTSPP   MICRO PLOT :

                                                  DRY
               HEIGHT      COVER    DENSITY     WEIGHT
----------------------------------------------------
NUM. OBS            1          1          1          1
MEAN            3.000     20.000      1.000      0.016
VARIANCE        0.000      0.000      0.000      0.000
STAN DEV        0.000      0.000      0.000      0.000
STAN ERR        0.000      0.000      0.000      0.000
COEF VAR          0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            3.000     20.000      1.000      0.016
                3.000     20.000      1.000      0.016

95 %            3.000     20.000      1.000      0.016
                3.000     20.000      1.000      0.016

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            3.000     20.000      1.000      0.016
                3.000     20.000      1.000      0.016

95 %            3.000     20.000      1.000      0.016
                3.000     20.000      1.000      0.016

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         0.0        0.0        0.0        0.0
     0.10         0.0        0.0        0.0        0.0
     0.15         0.0        0.0        0.0        0.0
     0.20         0.0        0.0        0.0        0.0
     0.25         0.0        0.0        0.0        0.0
     0.30         0.0        0.0        0.0        0.0

95 %    R
     0.05         0.0        0.0        0.0        0.0
     0.10         0.0        0.0        0.0        0.0
     0.15         0.0        0.0        0.0        0.0
     0.20         0.0        0.0        0.0        0.0
     0.25         0.0        0.0        0.0        0.0
     0.30         0.0        0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 5   SPECIES : ATRCON    MICRO PLOT 1

                                                          DRY
                 HEIGHT       COVER    DENSITY          WEIGHT
--------------------------------------------------------------
NUM. OBS             10          10          10            10
MEAN             14.100      82.000       1.400         0.073
VARIANCE         35.211    5290.000       0.489         0.010
STAN DEV          5.934      72.732       0.699         0.100
STAN ERR          1.876      23.000       0.221         0.032
COEF VAR           42.1        88.7        49.9         137.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             10.700      40.324       0.999         0.015
                 17.500     123.676       1.801         0.130

95 %              9.919      30.756       0.907         0.002
                 18.281     133.244       1.893         0.143

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              8.166       9.268       0.701        -0.027
                 20.034     154.732       2.099         0.173

95 %              5.708     -20.859       0.411        -0.069
                 22.492     184.859       2.389         0.214

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05        191.7       851.4       269.9        2049.1
      0.10         47.9       212.8        67.5         512.3
      0.15         21.3        94.6        30.0         227.7
      0.20         12.0        53.2        16.9         128.1
      0.25          7.7        34.1        10.8          82.0
      0.30          5.3        23.6         7.5          56.9

95 %    R
      0.05        272.2      1208.9       383.3        2909.7
      0.10         68.0       302.2        95.8         727.4
      0.15         30.2       134.3        42.6         323.3
      0.20         17.0        75.6        24.0         181.9
      0.25         10.9        48.4        15.3         116.4
      0.30          7.6        33.6        10.6          80.8
```

```
                                                         DRY
                HEIGHT      COVER   DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS             0         20         0           0
MEAN             0.000  36045.950     0.000       0.000
VARIANCE         0.000**********     0.000       0.000
STAN DEV         0.000   5911.703     0.000       0.000
STAN ERR         0.000   1321.897     0.000       0.000
COEF VAR           0.0       16.4       0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000  33765.678     0.000       0.000
                 0.000  38326.222     0.000       0.000

95 %             0.000  33288.473     0.000       0.000
                 0.000  38803.427     0.000       0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000  31865.742     0.000       0.000
                 0.000  40226.158     0.000       0.000

95 %             0.000  30134.242     0.000       0.000
                 0.000  41957.658     0.000       0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0       29.1       0.0         0.0
    0.10           0.0        7.3       0.0         0.0
    0.15           0.0        3.2       0.0         0.0
    0.20           0.0        1.8       0.0         0.0
    0.25           0.0        1.2       0.0         0.0
    0.30           0.0        0.8       0.0         0.0

95 %    R
    0.05           0.0       41.3       0.0         0.0
    0.10           0.0       10.3       0.0         0.0
    0.15           0.0        4.6       0.0         0.0
    0.20           0.0        2.6       0.0         0.0
    0.25           0.0        1.7       0.0         0.0
    0.30           0.0        1.1       0.0         0.0
```

```
VEG TYPE : 2   SITE : 5   SPECIES : CHRGRE   MICRO PLOT :

                                                      DRY
                 HEIGHT       COVER   DENSITY       HEIGHT
------------------------------------------------------------
NUM. OBS              2           2         2            2
MEAN              6.000      25.000     1.500        0.035
VARIANCE         32.000     450.000     0.500        0.000
STAN DEV          5.657      21.213     0.707        0.022
STAN ERR          4.000      15.000     0.500        0.015
COEF VAR           94.3        84.9      47.1         63.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             -5.680     -18.800     0.040       -0.011
                 17.680      68.800     2.960        0.080

95 %            -11.212     -39.545    -0.652       -0.032
                 23.212      89.545     3.652        0.101

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -6.649     -22.434    -0.051       -0.015
                 18.649      72.434     3.051        0.084

95 %            -11.889     -42.082    -0.736       -0.035
                 23.889      92.082     3.736        0.104

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %     R
      0.05        961.9       779.1     240.5        436.9
      0.10        240.5       194.8      60.1        109.2
      0.15        106.9        86.6      26.7         48.5
      0.20         60.1        48.7      15.0         27.3
      0.25         38.5        31.2       9.6         17.5
      0.30         26.7        21.6       6.7         12.1

95 %     R
      0.05       1365.9      1106.4     341.5        620.3
      0.10        341.5       276.6      85.4        155.1
      0.15        151.8       122.9      37.9         68.9
      0.20         85.4        69.1      21.3         38.8
      0.25         54.6        44.3      13.7         24.8
      0.30         37.9        30.7       9.5         17.2
```

```
VEG TYPE : 2   SITE : 5   SPECIES : CHRVIS   MICRO PLOT :

                                                  DRY
                   HEIGHT      COVER   DENSITY   WEIGHT
------------------------------------------------------
NUM. OBS              7          7          7         7
MEAN             11.714    215.714      5.857     0.112
VARIANCE         21.238  24195.238     15.476     0.005
STAN DEV          4.608    155.548      3.934     0.073
STAN ERR        . 1.742     58.792      1.487     0.028
COEF VAR           39.3       72.1       67.2      65.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              8.413    104.304      3.039     0.059
                 15.015    327.125      8.675     0.165

95 %              7.595     76.672      2.341     0.046
                 15.834    354.757      9.374     0.178

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              6.206     29.799      1.155     0.024
                 17.222    401.630     10.559     0.200

95 %              3.925    -47.210     -0.793    -0.012
                 19.504    478.639     12.507     0.236

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          167.5      562.7      488.2     464.8
    0.10           41.9      140.7      122.0     116.2
    0.15           18.6       62.5       54.2      51.6
    0.20           10.5       35.2       30.5      29.0
    0.25            6.7       22.5       19.5      18.6
    0.30            4.7       15.6       13.6      12.9

95 %    R
    0.05          237.8      799.0      693.2     660.0
    0.10           59.5      199.7      173.3     165.0
    0.15           26.4       88.8       77.0      73.3
    0.20           14.9       49.9       43.3      41.2
    0.25            9.5       32.0       27.7      26.4
    0.30            6.6       22.2       19.3      18.3
```

```
VEG TYPE : 2    SITE : 5    SPECIES : COMPAL    MICRO PLOT :

                                                        DRY
                 HEIGHT     COVER    DENSITY          WEIGHT
-----------------------------------------------------------
NUM. OBS             2          2          2              2
MEAN             9.000     30.000      1.500          0.015
VARIANCE         8.000    200.000      0.500          0.000
STAN DEV         2.828     14.142      0.707          0.006
STAN ERR         2.000     10.000      0.500          0.004
COEF VAR          31.4       47.1       47.1           37.7

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             3.160      0.800      0.040          0.003
                14.840     59.200      2.960          0.027

95 %             0.394    -13.030     -0.652         -0.002
                17.606     73.030      3.652          0.032

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             2.675     -1.623     -0.081          0.002
                15.325     61.623      3.081          0.028

95 %             0.056    -14.721     -0.736         -0.003
                17.944     74.721      3.736          0.033

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05         106.9      240.5      240.5          153.9
    0.10          26.7       60.1       60.1           38.5
    0.15          11.9       26.7       26.7           17.1
    0.20           6.7       15.0       15.0            9.6
    0.25           4.3        9.6        9.6            6.2
    0.30           3.0        6.7        6.7            4.3

95 %    R
    0.05         151.8      341.5      341.5          218.5
    0.10          37.9       85.4       85.4           54.6
    0.15          16.9       37.9       37.9           24.3
    0.20           9.5       21.3       21.3           13.7
    0.25           6.1       13.7       13.7            8.7
    0.30           4.2        9.5        9.5            6.1
```

```
VEG TYPE : 2   SITE : 5   SPECIES : CRUCIF   MICRO PLOT :

                                                  DRY
                HEIGHT      COVER  DENSITY     WEIGHT
-----------------------------------------------------
NUM. OBS             7          7        7          7
MEAN            12.000     17.857    8.286      0.020
VARIANCE       124.667     32.143  338.905      0.001
STAN DEV        11.165      5.669   18.409      0.034
STAN ERR         4.220      2.143    6.958      0.013
COEF VAR          93.0       31.7    222.2      171.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             4.003     13.796   -4.900     -0.005
                19.997     21.918   21.471      0.044

95 %             2.019     12.789   -8.170     -0.010
                21.981     22.925   24.742      0.050

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            -1.345     11.081  -13.718     -0.021
                25.345     24.633   30.289      0.060

95 %            -6.873      8.274  -22.832     -0.037
                30.873     27.440   39.403      0.076

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05       936.9      109.1   5342.0     3192.3
      0.10       234.2       27.3   1335.5      798.1
      0.15       104.1       12.1    593.6      354.7
      0.20        58.6        6.8    333.9      199.5
      0.25        37.5        4.4    213.7      127.7
      0.30        26.0        3.0    148.4       88.7

95 %    R
      0.05      1330.3      154.9   7585.6     4533.0
      0.10       332.6       38.7   1896.4     1133.3
      0.15       147.8       17.2    842.8      503.7
      0.20        83.1        9.7    474.1      283.3
      0.25        53.2        6.2    303.4      181.3
      0.30        37.0        4.3    210.7      125.9
```

```
VEG TYPE : 2   SITE : 5   SPECIES : CYNGRH   MICRO PLOT :

                                                  DRY
                 HEIGHT      COVER   DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS             0           2         0          0
MEAN             0.000  2500.000     0.000      0.000
VARIANCE         0.000      0.000     0.000      0.000
STAN DEV         0.000      0.000     0.000      0.000
STAN ERR         0.000      0.000     0.000      0.000
COEF VAR           0.0        0.0       0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000  2500.000     0.000      0.000
                 0.000  2500.000     0.000      0.000

95 %             0.000  2500.000     0.000      0.000
                 0.000  2500.000     0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000  2500.000     0.000      0.000
                 0.000  2500.000     0.000      0.000

95 %             0.000  2500.000     0.000      0.000
                 0.000  2500.000     0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05          0.0        0.0        0.0        0.0
    0.10          0.0        0.0        0.0        0.0
    0.15          0.0        0.0        0.0        0.0
    0.20          0.0        0.0        0.0        0.0
    0.25          0.0        0.0        0.0        0.0
    0.30          0.0        0.0        0.0        0.0

95 %   R
    0.05          0.0        0.0        0.0        0.0
    0.10          0.0        0.0        0.0        0.0
    0.15          0.0        0.0        0.0        0.0
    0.20          0.0        0.0        0.0        0.0
    0.25          0.0        0.0        0.0        0.0
    0.30          0.0        0.0        0.0        0.0
```

```
VEG TYPE : 2   SITE : 5   SPECIES : ERIGSP   MICRO PLOT :

                                                       DRY
                   HEIGHT       COVER    DENSITY     WEIGHT
-------------------------------------------------------------
NUM. OBS                9           9           9          9
MEAN                9.222      83.333      11.333      0.050
VARIANCE           75.944    6700.000     387.500      0.003
STAN DEV            8.715      81.854      19.685      0.058
STAN ERR            2.905      27.285       6.562      0.019
COEF VAR             94.5        98.2       173.7      116.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                3.898      33.321      -0.694      0.014
                   14.547     133.346      23.361      0.085

95 %                2.651      21.616      -3.509      0.006
                   15.793     145.051      26.176      0.094

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                0.036      -2.948      -9.417     -0.011
                   18.408     169.615      32.083      0.111

95 %               -3.769     -38.687     -18.011     -0.037
                   22.213     205.353      40.678      0.137

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       966.3      1044.1      3264.7     1468.3
     0.10       241.6       261.0       816.2      367.1
     0.15       107.4       116.0       362.7      163.1
     0.20        60.4        65.3       204.0       91.8
     0.25        38.7        41.8       130.6       58.7
     0.30        26.8        29.0        90.7       40.8

95 %    R
     0.05      1372.1      1482.6      4635.8     2085.0
     0.10       343.0       370.6      1159.0      521.3
     0.15       152.5       164.7       515.1      231.7
     0.20        85.8        92.7       289.7      130.3
     0.25        54.9        59.3       185.4       83.4
     0.30        38.1        41.2       128.8       57.9
```

```
VEG TYPE : 2   SITE : 5   SPECIES : ERISPP   MICRO PLOT :

                                                        DRY
                 HEIGHT      COVER    DENSITY      WEIGHT
--------------------------------------------------------------
NUM. OBS              4          4          4            4
MEAN             11.500     31.250      3.750        0.008
VARIANCE         19.000    156.250     18.250        0.000
STAN DEV          4.359     12.500      4.272        0.008
STAN ERR          2.179      6.250      2.136        0.004
COEF VAR           37.9       40.0      113.9         95.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              6.853     17.925     -0.804       -0.000
                 16.147     44.575      8.304        0.017

95 %              5.450     13.900     -2.160       -0.003
                 17.550     48.600      9.660        0.019

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              4.608     11.486     -3.005       -0.004
                 18.392     51.014     10.505        0.021

95 %              1.753      3.299     -5.802       -0.009
                 21.247     59.201     13.302        0.026

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %     R
      0.05       155.5      173.1     1404.4        979.1
      0.10        38.9       43.3      351.1        244.8
      0.15        17.3       19.2      156.0        108.8
      0.20         9.7       10.8       87.8         61.2
      0.25         6.2        6.9       56.2         39.2
      0.30         4.3        4.8       39.0         27.2

95 %     R
      0.05       220.8      245.9     1994.2       1390.4
      0.10        55.2       61.5      498.6        347.6
      0.15        24.5       27.3      221.6        154.5
      0.20        13.8       15.4      124.6         86.9
      0.25         8.8        9.8       79.8         55.6
      0.30         6.1        6.8       55.4         38.6
```

```
VEG TYPE : 2   SITE : 5   SPECIES : EUPSPP   MICRO PLOT :

                                                  DRY
                 HEIGHT      COVER    DENSITY    WEIGHT
------------------------------------------------------
NUM. OBS              6          6          6         6
MEAN              2.667     17.500      2.167     0.006
VARIANCE          4.267     77.500      2.567     0.000
STAN DEV          2.066      8.803      1.602     0.005
STAN ERR          0.843      3.594      0.654     0.002
COEF VAR           77.5       50.3       73.9      84.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              1.028     10.517      0.896     0.002
                  4.305     24.483      3.437     0.010

95 %              0.603      8.706      0.566     0.001
                  4.730     26.294      3.767     0.011

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -0.000      6.135      0.098    -0.001
                  5.333     28.865      4.235     0.012

95 %             -1.105      1.427     -0.758    -0.003
                  6.438     33.573      5.092     0.015

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        649.3      273.8      591.7     768.5
     0.10        162.3       68.5      147.9     192.1
     0.15         72.1       30.4       65.7      85.4
     0.20         40.6       17.1       37.0      48.0
     0.25         26.0       11.0       23.7      30.7
     0.30         18.0        7.6       16.4      21.3

95 %    R
     0.05        922.0      388.9      840.2    1091.3
     0.10        230.5       97.2      210.0     272.8
     0.15        102.4       43.2       93.4     121.3
     0.20         57.6       24.3       52.5      68.2
     0.25         36.9       15.6       33.6      43.7
     0.30         25.6       10.8       23.3      30.3
```

```
VEG TYPE : 2   SITE : 5   SPECIES : FORSPI   MICRO PLOT 1

                                                        DRY
                   HEIGHT       COVER     DENSITY     WEIGHT
-------------------------------------------------------------
NUM. OBS                1            1           1           1
MEAN                4.000       80.000       1.000       0.003
VARIANCE            0.000        0.000       0.000       0.000
STAN DEV            0.000        0.000       0.000       0.000
STAN ERR            0.000        0.000       0.000       0.000
COEF VAR              0.0          0.0         0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                4.000       80.000       1.000       0.003
                    4.000       80.000       1.000       0.003

95 %                4.000       80.000       1.000       0.003
                    4.000       80.000       1.000       0.003

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                4.000       80.000       1.000       0.003
                    4.000       80.000       1.000       0.003

95 %                4.000       80.000       1.000       0.003
                    4.000       80.000       1.000       0.003

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
     0.05             0.0          0.0         0.0         0.0
     0.10             0.0          0.0         0.0         0.0
     0.15             0.0          0.0         0.0         0.0
     0.20             0.0          0.0         0.0         0.0
     0.25             0.0          0.0         0.0         0.0
     0.30             0.0          0.0         0.0         0.0

95 %   R
     0.05             0.0          0.0         0.0         0.0
     0.10             0.0          0.0         0.0         0.0
     0.15             0.0          0.0         0.0         0.0
     0.20             0.0          0.0         0.0         0.0
     0.25             0.0          0.0         0.0         0.0
     0.30             0.0          0.0         0.0         0.0
```

```
VEG TYPE : 2   SITE : 5   SPECIES : GUTSAR   MICRO PLOT :

                                                DRY
               HEIGHT      COVER   DENSITY    WEIGHT
----------------------------------------------------
NUM. OBS            9          9         9         9
MEAN           14.556     73.333     3.111     0.044
VARIANCE       25.028   2650.000     2.361     0.002
STAN DEV        5.003     51.478     1.537     0.044
STAN ERR        1.668     17.159     0.512     0.015
COEF VAR         34.4       70.2      49.4     102.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           11.499     41.880     2.172     0.016
               17.612    104.786     4.050     0.071

95 %           10.783     34.519     1.953     0.010
               18.328    112.148     4.270     0.077

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            9.282     19.071     1.491    -0.003
               19.829    127.596     4.731     0.090

95 %            7.098     -3.406     0.820    -0.023
               22.013    150.072     5.402     0.110

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05        127.8      533.2     264.0    1125.0
    0.10         32.0      133.3      66.0     281.3
    0.15         14.2       59.2      29.3     125.0
    0.20          8.0       33.3      16.5      70.3
    0.25          5.1       21.3      10.6      45.0
    0.30          3.6       14.8       7.3      31.3

95 %    R
    0.05        181.5      757.2     374.9    1597.5
    0.10         45.4      189.3      93.7     399.4
    0.15         20.2       84.1      41.7     177.5
    0.20         11.3       47.3      23.4      99.8
    0.25          7.3       30.3      15.0      63.9
    0.30          5.0       21.0      10.4      44.4
```

```
VEG TYPE : 2   SITE : 5   SPECIES : MILJAM   MICRO PLOT :

                                                          DRY
                 HEIGHT       COVER    DENSITY        WEIGHT
-------------------------------------------------------------
NUM. OBS             10          10         10            10
MEAN             10.300     171.000     16.400         0.034
VARIANCE          9.567   28743.333    284.933         0.001
STAN DEV          3.093     169.539     16.880         0.026
STAN ERR          0.978      53.613      5.338         0.008
COEF VAR           30.0        99.1      102.9          75.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              8.528      73.854      6.728         0.019
                 12.072     268.146     26.072         0.048

95 %              8.121      51.551      4.507         0.016
                 12.479     290.449     28.293         0.052

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              7.207       1.461     -0.480         0.008
                 13.393     340.539     33.280         0.059

95 %              5.926     -68.764     -7.472        -0.002
                 14.674     410.764     40.272         0.070

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          97.6      1063.7     1146.4         623.3
     0.10          24.4       265.9      286.6         155.8
     0.15          10.8       118.2      127.4          69.3
     0.20           6.1        66.5       71.7          39.0
     0.25           3.9        42.5       45.9          24.9
     0.30           2.7        29.5       31.8          17.3

95 %    R
     0.05         138.6      1510.5     1627.9         885.1
     0.10          34.6       377.6      407.0         221.3
     0.15          15.4       167.8      180.9          98.3
     0.20           8.7        94.4      101.7          55.3
     0.25           5.5        60.4       65.1          35.4
     0.30           3.8        42.0       45.2          24.6
```

```
VEG TYPE : 2   SITE : 5   SPECIES : HYMENO   MICRO PLOT :

                                                        DRY
                   HEIGHT      COVER    DENSITY      WEIGHT
---------------------------------------------------------------
NUM, OBS               1           1          1           1
MEAN               3.000      10.000      1.000       0.003
VARIANCE           0.000       0.000      0.000       0.000
STAN DEV           0.000       0.000      0.000       0.000
STAN ERR           0.000       0.000      0.000       0.000
COEF VAR             0.0         0.0        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               3.000      10.000      1.000       0.003
                   3.000      10.000      1.000       0.003

95 %               3.000      10.000      1.000       0.003
                   3.000      10.000      1.000       0.003

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               3.000      10.000      1.000       0.003
                   3.000      10.000      1.000       0.003

95 %               3.000      10.000      1.000       0.003
                   3.000      10.000      1.000       0.003

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            0.0         0.0        0.0         0.0
     0.10            0.0         0.0        0.0         0.0
     0.15            0.0         0.0        0.0         0.0
     0.20            0.0         0.0        0.0         0.0
     0.25            0.0         0.0        0.0         0.0
     0.30            0.0         0.0        0.0         0.0

95 %    R
     0.05            0.0         0.0        0.0         0.0
     0.10            0.0         0.0        0.0         0.0
     0.15            0.0         0.0        0.0         0.0
     0.20            0.0         0.0        0.0         0.0
     0.25            0.0         0.0        0.0         0.0
     0.30            0.0         0.0        0.0         0.0
```

```
VEG TYPE : 2   SITE : 5   SPECIES : JUNOST   MICRO PLOT :

                                             DRY
            HEIGHT     COVER    DENSITY     WEIGHT
--------------------------------------------------
NUM. OBS         4         8          4          2
MEAN       133.250  4725.000      1.000      1.916
VARIANCE 16348.917**********      0.000      4.260
STAN DEV   127.863  6907.915      0.000      2.064
STAN ERR    63.931  2442.317      0.000      1.460
COEF VAR      96.0     146.2        0.0      107.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %        -3.052   182.291      1.000     -2.346
           269.552  9267.709      1.000      6.177

95 %       -44.224  -906.982      1.000     -4.365
           310.724 10356.982      1.000      8.196

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %       -68.919 -2998.289      1.000     -2.700
           335.419 12448.289      1.000      6.531

95 %      -152.660 -6197.382      1.000     -4.612
           419.160 15647.382      1.000      8.443

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05     996.4    2313.0        0.0     1256.5
    0.10     249.1     578.3        0.0      314.1
    0.15     110.7     257.0        0.0      139.6
    0.20      62.3     144.6        0.0       78.5
    0.25      39.9      92.5        0.0       50.3
    0.30      27.7      64.3        0.0       34.9

95 %   R
    0.05    1414.9    3284.4        0.0     1784.2
    0.10     353.7     821.1        0.0      446.1
    0.15     157.2     364.9        0.0      198.2
    0.20      88.4     205.3        0.0      111.5
    0.25      56.6     131.4        0.0       71.4
    0.30      39.3      91.2        0.0       49.6
```

```
                                                          DRY
               HEIGHT      COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM, OBS            0         20          0           1
MEAN            0.000   3355.500      0.000       0.010
VARIANCE        0.000**********       0.000       0.000
STAN DEV        0.000   8930.443      0.000       0.000
STAN ERR        0.000   1996.908      0.000       0.000
COEF VAR          0.0      266.1        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            0.000    -89.166      0.000       0.010
                0.000   6800.166      0.000       0.010

95 %            0.000   -810.049      0.000       0.010
                0.000   7521.049      0.000       0.010

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            0.000 -2959.281       0.000       0.010
                0.000  9670.281       0.000       0.010

95 %            0.000 -5574.951       0.000       0.010
                0.000 12285.951       0.000       0.010

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05          0.0     7665.1        0.0         0.0
    0.10          0.0     1916.3        0.0         0.0
    0.15          0.0      851.7        0.0         0.0
    0.20          0.0      479.1        0.0         0.0
    0.25          0.0      306.6        0.0         0.0
    0.30          0.0      212.9        0.0         0.0

95 %   R
    0.05          0.0    10884.4        0.0         0.0
    0.10          0.0     2721.1        0.0         0.0
    0.15          0.0     1209.4        0.0         0.0
    0.20          0.0      680.3        0.0         0.0
    0.25          0.0      435.4        0.0         0.0
    0.30          0.0      302.3        0.0         0.0
```

```
VEG TYPE : 2   SITE : 5   SPECIES : ORYHYM   MICRO PLOT :

                                                    DRY
                   HEIGHT      COVER   DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS              16          16        16         15
MEAN              21.000      59.125     2.188      0.032
VARIANCE          50.533    3762.917     2.029      0.001
STAN DEV           7.109      61.343     1.424      0.031
STAN ERR           1.777      15.336     0.356      0.008
COEF VAR            33.9       103.8      65.1       97.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              17.897      32.349     1.566      0.018
                  24.103      85.901     2.809      0.046

95 %              17.232      26.613     1.433      0.015
                  24.768      91.637     2.942      0.049

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              15.380      10.629     1.061      0.006
                  26.620     107.621     3.314      0.057

95 %              13.052      -9.458     0.595     -0.004
                  28.948     127.708     3.780      0.068

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           124.0      1164.8     458.9     1037.8
    0.10            31.0       291.2     114.7      259.4
    0.15            13.8       129.4      51.0      115.3
    0.20             7.8        72.8      28.7       64.9
    0.25             5.0        46.6      18.4       41.5
    0.30             3.4        32.4      12.7       28.8

95 %    R
    0.05           176.1      1654.1     651.6     1473.6
    0.10            44.0       413.5     162.9      368.4
    0.15            19.6       183.8      72.4      163.7
    0.20            11.0       103.4      40.7       92.1
    0.25             7.0        66.2      26.1       58.9
    0.30             4.9        45.9      18.1       40.9
```

```
VEG TYPE : 2    SITE : 5    SPECIES : PHLOXP    MICRO PLOT :

                                                      DRY
              HEIGHT       COVER    DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS          2            2          2            1
MEAN          9.500       40.000      1.000        0.020
VARIANCE     60.500      800.000      0.000        0.000
STAN DEV      7.778       28.284      0.000        0.000
STAN ERR      5.500       20.000      0.000        0.000
COEF VAR       81.9         70.7        0.0          0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %         -6.560      -18.400      1.000        0.020
             25.560       98.400      1.000        0.020

95 %        -14.167      -46.060      1.000        0.020
             33.167      126.060      1.000        0.020

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %         -7.893      -23.246      1.000        0.020
             26.893      103.246      1.000        0.020

95 %        -15.097      -49.443      1.000        0.020
             34.097      129.443      1.000        0.020

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05      725.4        541.1        0.0          0.0
    0.10      181.4        135.3        0.0          0.0
    0.15       80.6         60.1        0.0          0.0
    0.20       45.3         33.8        0.0          0.0
    0.25       29.0         21.6        0.0          0.0
    0.30       20.2         15.0        0.0          0.0

95 %    R
    0.05     1030.1        768.3        0.0          0.0
    0.10      257.5        192.1        0.0          0.0
    0.15      114.5         85.4        0.0          0.0
    0.20       64.4         48.0        0.0          0.0
    0.25       41.2         30.7        0.0          0.0
    0.30       28.6         21.3        0.0          0.0
```

```
VEG TYPE : 2   SITE : 5   SPECIES : POASAN   MICRO PLOT I

                                                          DRY
                    HEIGHT       COVER    DENSITY       WEIGHT
------------------------------------------------------------------
NUM. OBS                4            4          4            4
MEAN               17.000       45.000      2.250        0.011
VARIANCE          152.667     1633.333      1.503        0.000
STAN DEV           12.356       40.415      1.258        0.017
STAN ERR            6.178       20.207      0.629        0.008
COEF VAR             72.7         89.8       55.9        156.7

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                3.829        1.918      0.909       -0.007
                   30.171       88.082      3.591        0.029

95 %               -0.150      -11.095      0.503       -0.013
                   34.150      101.095      3.997        0.034

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               -2.536      -18.901      0.260       -0.016
                   36.536      108.901      4.240        0.037

95 %              -10.629      -45.370     -0.564       -0.027
                   44.629      135.370      5.064        0.048

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           571.7        872.8      338.4       2655.5
     0.10           142.9        218.2       84.6        663.9
     0.15            63.5         97.0       37.6        295.1
     0.20            35.7         54.6       21.2        166.0
     0.25            22.9         34.9       13.5        106.2
     0.30            15.9         24.2        9.4         73.8

95 %    R
     0.05           811.7       1239.4      480.6       3770.8
     0.10           202.9        309.9      120.1        942.7
     0.15            90.2        137.7       53.4        419.0
     0.20            50.7         77.5       30.0        235.7
     0.25            32.5         49.6       19.2        150.8
     0.30            22.5         34.4       13.3        104.7
```

```
VEG TYPE : 2   SITE : 5   SPECIES : SALKAL   MICRO PLOT :

                                                 DRY
                HEIGHT      COVER    DENSITY   WEIGHT
---------------------------------------------------------
NUM. OBS             1          1          1        1
MEAN             6.000     10.000      1.000    0.001
VARIANCE         0.000      0.000      0.000    0.000
STAN DEV         0.000      0.000      0.000    0.000
STAN ERR         0.000      0.000      0.000    0.000
COEF VAR           0.0        0.0        0.0      0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             6.000     10.000      1.000    0.001
                 6.000     10.000      1.000    0.001

95 %             6.000     10.000      1.000    0.001
                 6.000     10.000      1.000    0.001

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             6.000     10.000      1.000    0.001
                 6.000     10.000      1.000    0.001

95 %             6.000     10.000      1.000    0.001
                 6.000     10.000      1.000    0.001

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0        0.0        0.0      0.0
    0.10           0.0        0.0        0.0      0.0
    0.15           0.0        0.0        0.0      0.0
    0.20           0.0        0.0        0.0      0.0
    0.25           0.0        0.0        0.0      0.0
    0.30           0.0        0.0        0.0      0.0

95 %    R
    0.05           0.0        0.0        0.0      0.0
    0.10           0.0        0.0        0.0      0.0
    0.15           0.0        0.0        0.0      0.0
    0.20           0.0        0.0        0.0      0.0
    0.25           0.0        0.0        0.0      0.0
    0.30           0.0        0.0        0.0      0.0
```

```
VEG TYPE : 2   SITE : 5   SPECIES : SENECO   MICRO PLOT 1

                                                         UNT
                 HEIGHT      COVER    DENSITY          HEIGHT
-----------------------------------------------------------------
NUM. OBS              2          2           2             2
MEAN             16.500    275.000       6.500         0.249
VARIANCE          4.500   1250.000       0.500         0.001
STAN DEV          2.121     35.355       0.707         0.030
STAN ERR          1.500     25.000       0.500         0.021
COEF VAR           12.9       12.9        10.9          11.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             12.120    202.000       5.040         0.188
                 20.880    348.000       7.960         0.310

95 %             10.046    167.425       4.349         0.159
                 22.955    382.575       8.652         0.339

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             11.757    195.943       4.919         0.183
                 21.243    354.057       8.081         0.315

95 %              9.792    163.196       4.264         0.155
                 23.208    386.804       8.736         0.343

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          17.9       17.9        12.8          15.4
     0.10           4.5        4.5         3.2           3.8
     0.15           2.0        2.0         1.4           1.7
     0.20           1.1        1.1         0.8           1.0
     0.25           0.7        0.7         0.5           0.6
     0.30           0.5        0.5         0.4           0.4

95 %    R
     0.05          25.4       25.4        18.2          21.9
     0.10           6.3        6.3         4.5           5.5
     0.15           2.8        2.8         2.0           2.4
     0.20           1.6        1.6         1.1           1.4
     0.25           1.0        1.0         0.7           0.9
     0.30           0.7        0.7         0.5           0.6
```

```
VEG TYPE : 2   SITE : 5   SPECIES : SITHYS   MICRO PLOT :

                                                   DRY
               HEIGHT      COVER   DENSITY      WEIGHT
------------------------------------------------------
NUM. OBS            2          2         2          2
MEAN           24.000     30.000     1.500      0.032
VARIANCE       98.000      0.000     0.500      0.001
STAN DEV        9.899      0.000     0.707      0.027
STAN ERR        7.000      0.000     0.500      0.019
COEF VAR         41.2        0.0      47.1       84.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            3.560     30.000     0.040     -0.023
               44.440     30.000     2.960      0.087

95 %           -6.121     30.000    -0.652     -0.050
               54.121     30.000     3.652      0.114

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            1.864     30.000    -0.081     -0.028
               46.136     30.000     3.081      0.092

95 %           -7.305     30.000    -0.736     -0.053
               55.305     30.000     3.736      0.117

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05        184.1        0.0     240.5      763.0
    0.10         46.0        0.0      60.1      190.7
    0.15         20.5        0.0      26.7       84.8
    0.20         11.5        0.0      15.0       47.7
    0.25          7.4        0.0       9.6       30.5
    0.30          5.1        0.0       6.7       21.2

95 %    R
    0.05        261.4        0.0     341.5     1083.5
    0.10         65.4        0.0      85.4      270.9
    0.15         29.0        0.0      37.9      120.4
    0.20         16.3        0.0      21.3       67.7
    0.25         10.5        0.0      13.7       43.3
    0.30          7.3        0.0       9.5       30.1
```

```
VEG TYPE : 2   SITE : 5   SPECIES : SOLMI,   [illegible] PLOT 1

                                                        UNIT
                  HEIGHT      COVER    DENSITY         WEIGHT
-------------------------------------------------------------
NUM. OBS               2          2          2              2
MEAN              10.000     72.500      3.500          0.043
VARIANCE         128.000   4512.500      0.500          0.000
STAN DEV          11.314     67.175      0.707          0.014
STAN ERR           8.000     47.500      0.500          0.010
COEF VAR           113.1       92.7       20.2           32.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             -13.360    -66.200      2.040          0.014
                  33.360    211.200      4.960          0.072

95 %             -24.424   -131.893      1.348         -0.000
                  44.424    276.893      5.652          0.086

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -15.298    -77.708      1.919          0.011
                  35.298    222.708      5.081          0.075

95 %             -25.777   -139.927      1.264         -0.002
                  45.777    284.927      5.736          0.088

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %     R
      0.05        1385.1      929.0       44.2          117.1
      0.10         346.3      232.3       11.0           29.3
      0.15         153.9      103.2        4.9           13.0
      0.20          86.6       58.1        2.8            7.3
      0.25          55.4       37.2        1.8            4.7
      0.30          38.5       25.8        1.2            3.3

95 %     R
      0.05        1966.9     1319.2       62.7          166.2
      0.10         491.7      329.8       15.7           41.6
      0.15         218.5      146.6        7.0           18.5
      0.20         122.9       82.5        3.9           10.4
      0.25          78.7       52.8        2.5            6.6
      0.30          54.6       36.6        1.7            4.6
```

```
VEG TYPE : 2   SITE : 5   SPECIES : SPHEAR   MICRO PLOT :

                                                      DRY
                 HEIGHT       COVER     DENSITY     WEIGHT
-------------------------------------------------------------
NUM. OBS              1           1           1           1
MEAN             10.000      20.000       1.000       0.007
VARIANCE          0.000       0.000       0.000       0.000
STAN DEV          0.000       0.000       0.000       0.000
STAN ERR          0.000       0.000       0.000       0.000
COEF VAR            0.0         0.0         0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             10.000      20.000       1.000       0.007
                 10.000      20.000       1.000       0.007

95 %             10.000      20.000       1.000       0.007
                 10.000      20.000       1.000       0.007

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             10.000      20.000       1.000       0.007
                 10.000      20.000       1.000       0.007

95 %             10.000      20.000       1.000       0.007
                 10.000      20.000       1.000       0.007

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0         0.0         0.0         0.0
    0.10            0.0         0.0         0.0         0.0
    0.15            0.0         0.0         0.0         0.0
    0.20            0.0         0.0         0.0         0.0
    0.25            0.0         0.0         0.0         0.0
    0.30            0.0         0.0         0.0         0.0

95 %    R
    0.05            0.0         0.0         0.0         0.0
    0.10            0.0         0.0         0.0         0.0
    0.15            0.0         0.0         0.0         0.0
    0.20            0.0         0.0         0.0         0.0
    0.25            0.0         0.0         0.0         0.0
    0.30            0.0         0.0         0.0         0.0
```

```
                                                     DRY
                 HEIGHT      COVER   DENSITY      WEIGHT
--------------------------------------------------------
NUM. OBS              0          1         0           4
MEAN              0.000     50.000     0.000       0.013
VARIANCE          0.000      0.000     0.000       0.000
STAN DEV          0.000      0.000     0.000       0.009
STAN ERR          0.000      0.000     0.000       0.005
COEF VAR            0.0        0.0       0.0        75.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000     50.000     0.000       0.002
                  0.000     50.000     0.000       0.023

95 %              0.000     50.000     0.000      -0.001
                  0.000     50.000     0.000       0.026

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000     50.000     0.000      -0.002
                  0.000     50.000     0.000       0.027

95 %              0.000     50.000     0.000      -0.009
                  0.000     50.000     0.000       0.034

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0        0.0       0.0       621.0
     0.10           0.0        0.0       0.0       155.3
     0.15           0.0        0.0       0.0        69.0
     0.20           0.0        0.0       0.0        38.8
     0.25           0.0        0.0       0.0        24.8
     0.30           0.0        0.0       0.0        17.3

95 %    R
     0.05           0.0        0.0       0.0       881.8
     0.10           0.0        0.0       0.0       220.5
     0.15           0.0        0.0       0.0        98.0
     0.20           0.0        0.0       0.0        55.1
     0.25           0.0        0.0       0.0        35.3
     0.30           0.0        0.0       0.0        24.5
```

```
VEG TYPE : 2   SITE : 5   SPECIES : STALIT   MICRO PLOT : 02

                                                    DRY
                HEIGHT      COVER    DENSITY      WEIGHT
---------------------------------------------------------
NUM. OBS             0          0          0           2
MEAN             0.000      0.000      0.000       0.010
VARIANCE         0.000      0.000      0.000       0.000
STAN DEV         0.000      0.000      0.000       0.013
STAN ERR         0.000      0.000      0.000       0.009
COEF VAR           0.0        0.0        0.0       127.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000      0.000      0.000      -0.016
                 0.000      0.000      0.000       0.036

95 %             0.000      0.000      0.000      -0.029
                 0.000      0.000      0.000       0.049

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000      0.000      0.000      -0.018
                 0.000      0.000      0.000       0.038

95 %             0.000      0.000      0.000      -0.030
                 0.000      0.000      0.000       0.050

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0        0.0        0.0      1753.1
    0.10           0.0        0.0        0.0       438.3
    0.15           0.0        0.0        0.0       194.8
    0.20           0.0        0.0        0.0       109.6
    0.25           0.0        0.0        0.0        70.1
    0.30           0.0        0.0        0.0        48.7

95 %    R
    0.05           0.0        0.0        0.0      2489.4
    0.10           0.0        0.0        0.0       622.3
    0.15           0.0        0.0        0.0       276.6
    0.20           0.0        0.0        0.0       155.6
    0.25           0.0        0.0        0.0        99.6
    0.30           0.0        0.0        0.0        69.1
```

```
VEG TYPE : 2   SITE : 5   SPECIES : TETSPI   MICRO PLOT :

                                                      DRY
                 HEIGHT      COVER    DENSITY       WEIGHT
------------------------------------------------------------
NUM. OBS              1          1          1            1
MEAN             30.000    150.000      1.000        0.117
VARIANCE          0.000      0.000      0.000        0.000
STAN DEV          0.000      0.000      0.000        0.000
STAN ERR          0.000      0.000      0.000        0.000
COEF VAR            0.0        0.0        0.0          0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             30.000    150.000      1.000        0.117
                 30.000    150.000      1.000        0.117

95 %             30.000    150.000      1.000        0.117
                 30.000    150.000      1.000        0.117

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             30.000    150.000      1.000        0.117
                 30.000    150.000      1.000        0.117

95 %             30.000    150.000      1.000        0.117
                 30.000    150.000      1.000        0.117

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05            0.0        0.0        0.0          0.0
    0.10            0.0        0.0        0.0          0.0
    0.15            0.0        0.0        0.0          0.0
    0.20            0.0        0.0        0.0          0.0
    0.25            0.0        0.0        0.0          0.0
    0.30            0.0        0.0        0.0          0.0

95 %   R
    0.05            0.0        0.0        0.0          0.0
    0.10            0.0        0.0        0.0          0.0
    0.15            0.0        0.0        0.0          0.0
    0.20            0.0        0.0        0.0          0.0
    0.25            0.0        0.0        0.0          0.0
    0.30            0.0        0.0        0.0          0.0
```

```
VEG TYPE : 4   SPECIES : AGRSMI   MICRO PLOT :

                                                      DRY
                 HEIGHT      COVER    DENSITY      WEIGHT
--------------------------------------------------------
NUM. OBS             21         23         23          23
MEAN             57.095    494.609     26.652       0.170
VARIANCE    617.990493855.067     898.419       0.037
STAN DEV         24.859    702.748     29.974       0.193
STAN ERR          5.425    146.533      6.250       0.040
COEF VAR          43.5      142.1      112.5       113.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             47.759    243.451     15.940       0.101
                 66.431    745.766     37.365       0.239

95 %             45.812    191.432     13.721       0.087
                 68.379    797.786     39.583       0.254

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             39.941     31.230      6.888       0.043
                 74.250    957.987     46.416       0.298

95 %             32.835   -160.708     -1.298      -0.010
                 81.356   1149.925     54.603       0.350

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         205.1     2164.6     1368.7      1395.1
     0.10          51.3      546.1      342.2       348.8
     0.15          22.8      242.7      152.1       155.0
     0.20          12.8      136.5       85.5        87.2
     0.25           8.2       87.4       54.7        55.8
     0.30           5.7       60.7       38.0        38.8

95 %    R
     0.05         291.3     3102.0     1943.5      1981.0
     0.10          72.8      775.5      485.9       495.3
     0.15          32.4      344.7      215.9       220.1
     0.20          18.2      193.9      121.5       123.8
     0.25          11.7      124.1       77.7        79.2
     0.30           8.1       86.2       54.0        55.0
```

```
VEG TYPE : 4    SPECIES : AMBPSI    MICRO PLOT :

                                                          DRY
               HEIGHT       COVER    DENSITY          WEIGHT
-------------------------------------------------------------
NUM. OBS            5           5          5               5
MEAN           19.400     130.000      9.000           0.042
VARIANCE       51.300   10950.000     52.000           0.003
STAN DEV        7.162     104.642      7.211           0.059
STAN ERR        3.203      46.797      3.225           0.026
COEF VAR         36.9        80.5       80.1           141.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           12.946      35.703      2.502          -0.012
               25.854     224.297     15.498           0.095

95 %           11.165       9.684      0.709          -0.026
               27.635     250.316     17.291           0.109

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            9.271     -17.987     -1.198          -0.042
               29.529     277.987     19.198           0.125

95 %            5.075     -79.285     -5.422          -0.076
               33.725     339.285     23.422           0.160

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       147.5       701.2      694.7          2179.4
     0.10        36.9       175.3      173.7           544.9
     0.15        16.4        77.9       77.2           242.2
     0.20         9.2        43.8       43.4           136.2
     0.25         5.9        28.0       27.8            87.2
     0.30         4.1        19.5       19.3            60.5

95 %    R
     0.05       209.5       995.6      986.5          3094.8
     0.10        52.4       248.9      246.6           773.7
     0.15        23.3       110.6      109.6           343.9
     0.20        13.1        62.2       61.7           193.4
     0.25         8.4        39.8       39.5           123.8
     0.30         5.8        27.7       27.4            86.0
```

```
VEG TYPE : 4   SPECIES : ARTLUD   MICRO PLOT :

                                                   DRY
               HEIGHT       COVER    DENSITY    WEIGHT
----------------------------------------------------------
NUM. OBS            1           1          1         1
MEAN           85.000    5281.000      1.000     4.435
VARIANCE        0.000       0.000      0.000     0.000
STAN DEV        0.000       0.000      0.000     0.000
STAN ERR        0.000       0.000      0.000     0.000
COEF VAR          0.0         0.0        0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           85.000    5281.000      1.000     4.435
               85.000    5281.000      1.000     4.435

95 %           85.000    5281.000      1.000     4.435
               85.000    5281.000      1.000     4.435

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           85.000    5281.000      1.000     4.435
               85.000    5281.000      1.000     4.435

95 %           85.000    5281.000      1.000     4.435
               85.000    5281.000      1.000     4.435

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05        0.0         0.0        0.0       0.0
    0.10        0.0         0.0        0.0       0.0
    0.15        0.0         0.0        0.0       0.0
    0.20        0.0         0.0        0.0       0.0
    0.25        0.0         0.0        0.0       0.0
    0.30        0.0         0.0        0.0       0.0

95 %    R
    0.05        0.0         0.0        0.0       0.0
    0.10        0.0         0.0        0.0       0.0
    0.15        0.0         0.0        0.0       0.0
    0.20        0.0         0.0        0.0       0.0
    0.25        0.0         0.0        0.0       0.0
    0.30        0.0         0.0        0.0       0.0
```

```
VEG TYPE : 4   SPECIES : ARTTRI   MICRO PLOT :

                                                     DRY
                HEIGHT       COVER    DENSITY      WEIGHT
--------------------------------------------------------
NUM. OBS             9           9          9           9
MEAN            71.667    2447.778      1.778       3.531
VARIANCE       674.500**********       1.694      38.093
STAN DEV        25.971    3036.115      1.302       6.172
STAN ERR         8.657    1012.038      0.434       2.057
COEF VAR          36.2       124.0       73.2       174.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            55.798     592.711      0.982      -0.240
                87.535    4302.844      2.573       7.302

95 %            52.084     158.547      0.796      -1.123
                91.249    4737.009      2.759       8.185

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            44.291    -752.571      0.406      -2.975
                99.043    5648.126      3.150      10.037

95 %            32.951   -2078.199     -0.163      -5.670
               110.382    6973.755      3.718      12.732

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        142.1      1664.9      580.2      3306.3
     0.10         35.5       416.2      145.0       826.6
     0.15         15.8       185.0       64.5       367.4
     0.20          8.9       104.1       36.3       206.6
     0.25          5.7        66.6       23.2       132.3
     0.30          3.9        46.2       16.1        91.8

95 %    R
     0.05        201.8      2364.1      823.8      4694.9
     0.10         50.4       591.0      206.0      1173.7
     0.15         22.4       262.7       91.5       521.7
     0.20         12.6       147.8       51.5       293.4
     0.25          8.1        94.6       33.0       187.8
     0.30          5.6        65.7       22.9       130.4
```

```
VEG TYPE : 4    SPECIES : ASTSPP    MICRO PLOT :

                                                     DRY
                 HEIGHT      COVER   DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS              1          1          1          1
MEAN             30.000     10.000      1.000      0.019
VARIANCE          0.000      0.000      0.000      0.000
STAN DEV          0.000      0.000      0.000      0.000
STAN ERR          0.000      0.000      0.000      0.000
COEF VAR            0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             30.000     10.000      1.000      0.019
                 30.000     10.000      1.000      0.019

95 %             30.000     10.000      1.000      0.019
                 30.000     10.000      1.000      0.019

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             30.000     10.000      1.000      0.019
                 30.000     10.000      1.000      0.019

95 %             30.000     10.000      1.000      0.019
                 30.000     10.000      1.000      0.019

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0        0.0        0.0        0.0
     0.10          0.0        0.0        0.0        0.0
     0.15          0.0        0.0        0.0        0.0
     0.20          0.0        0.0        0.0        0.0
     0.25          0.0        0.0        0.0        0.0
     0.30          0.0        0.0        0.0        0.0

95 %    R
     0.05          0.0        0.0        0.0        0.0
     0.10          0.0        0.0        0.0        0.0
     0.15          0.0        0.0        0.0        0.0
     0.20          0.0        0.0        0.0        0.0
     0.25          0.0        0.0        0.0        0.0
     0.30          0.0        0.0        0.0        0.0
```

```
VEG TYPE : 4   SPECIES : ATRPAT   MICRO PLOT :

                                                        DRY
                    HEIGHT       COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS                 1           1          1          1
MEAN                86.000     770.000      1.000      0.154
VARIANCE             0.000       0.000      0.000      0.000
STAN DEV             0.000       0.000      0.000      0.000
STAN ERR             0.000       0.000      0.000      0.000
COEF VAR               0.0         0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                86.000     770.000      1.000      0.154
                    86.000     770.000      1.000      0.154

95 %                86.000     770.000      1.000      0.154
                    86.000     770.000      1.000      0.154

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                86.000     770.000      1.000      0.154
                    86.000     770.000      1.000      0.154

95 %                86.000     770.000      1.000      0.154
                    86.000     770.000      1.000      0.154

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05             0.0         0.0        0.0        0.0
     0.10             0.0         0.0        0.0        0.0
     0.15             0.0         0.0        0.0        0.0
     0.20             0.0         0.0        0.0        0.0
     0.25             0.0         0.0        0.0        0.0
     0.30             0.0         0.0        0.0        0.0

95 %    R
     0.05             0.0         0.0        0.0        0.0
     0.10             0.0         0.0        0.0        0.0
     0.15             0.0         0.0        0.0        0.0
     0.20             0.0         0.0        0.0        0.0
     0.25             0.0         0.0        0.0        0.0
     0.30             0.0         0.0        0.0        0.0
```

```
VEG TYPE : 4   SPECIES : BARGRO   MICRO PLOT :

                                                     DRY
                  HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS               0        100          0          0
MEAN               0.000   8854.190      0.000      0.000
VARIANCE           0.000**********      0.000      0.000
STAN DEV           0.000  12444.848      0.000      0.000
STAN ERR           0.000   1244.485      0.000      0.000
COEF VAR             0.0      140.6        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000   6807.261      0.000      0.000
                   0.000  10901.119      0.000      0.000

95 %               0.000   6415.000      0.000      0.000
                   0.000  11293.380      0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000   4918.781      0.000      0.000
                   0.000  12789.599      0.000      0.000

95 %               0.000   3288.680      0.000      0.000
                   0.000  14419.700      0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            0.0     2137.8        0.0        0.0
     0.10            0.0      534.5        0.0        0.0
     0.15            0.0      237.5        0.0        0.0
     0.20            0.0      133.6        0.0        0.0
     0.25            0.0       85.5        0.0        0.0
     0.30            0.0       59.4        0.0        0.0

95 %    R
     0.05            0.0     3035.7        0.0        0.0
     0.10            0.0      758.9        0.0        0.0
     0.15            0.0      337.3        0.0        0.0
     0.20            0.0      189.7        0.0        0.0
     0.25            0.0      121.4        0.0        0.0
     0.30            0.0       84.3        0.0        0.0
```

```
VEG TYPE : 4   SPECIES : CENPAU   MICRO PLOT :

                                                 DRY
                HEIGHT     COVER   DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS             0         1         1          1
MEAN             0.000    40.000   216.000      0.013
VARIANCE         0.000     0.000     0.000      0.000
STAN DEV         0.000     0.000     0.000      0.000
STAN ERR         0.000     0.000     0.000      0.000
COEF VAR           0.0       0.0       0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000    40.000   216.000      0.013
                 0.000    40.000   216.000      0.013

95 %             0.000    40.000   216.000      0.013
                 0.000    40.000   216.000      0.013

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000    40.000   216.000      0.013
                 0.000    40.000   216.000      0.013

95 %             0.000    40.000   216.000      0.013
                 0.000    40.000   216.000      0.013

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0       0.0       0.0        0.0
     0.10          0.0       0.0       0.0        0.0
     0.15          0.0       0.0       0.0        0.0
     0.20          0.0       0.0       0.0        0.0
     0.25          0.0       0.0       0.0        0.0
     0.30          0.0       0.0       0.0        0.0

95 %    R
     0.05          0.0       0.0       0.0        0.0
     0.10          0.0       0.0       0.0        0.0
     0.15          0.0       0.0       0.0        0.0
     0.20          0.0       0.0       0.0        0.0
     0.25          0.0       0.0       0.0        0.0
     0.30          0.0       0.0       0.0        0.0
```

```
VEG TYPE : 4    SPECIES : CHRNAU    MICRO PLOT :

                                                      DRY
                     HEIGHT       COVER    DENSITY   WEIGHT
------------------------------------------------------------
NUM. OBS                21          24         21        21
MEAN                81.476    2076.667      1.857     1.923
VARIANCE          1179.662**********        2.129    30.177
STAN DEV            34.346    4424.850      1.459     5.493
STAN ERR             7.495     903.219      0.318     1.199
COEF VAR              42.2       213.1       78.6     285.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                68.577     531.259      1.309    -0.140
                    94.375    3622.074      2.405     3.986

95 %                65.887     212.423      1.195    -0.570
                    97.066    3940.910      2.519     4.417

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                57.775    -779.564      0.850    -1.867
                   105.177    4932.897      2.864     5.714

95 %                47.958   -1962.654      0.433    -3.438
                   114.995    6115.988      3.281     7.284

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            192.3      4913.0      667.9    8827.0
     0.10             48.1      1228.3      167.0    2206.7
     0.15             21.4       545.9       74.2     980.8
     0.20             12.0       307.1       41.7     551.7
     0.25              7.7       196.5       26.7     353.1
     0.30              5.3       136.5       18.6     245.2

95 %    R
     0.05            273.1      6976.5      948.4   12534.2
     0.10             68.3      1744.1      237.1    3133.6
     0.15             30.3       775.2      105.4    1392.7
     0.20             17.1       436.0       59.3     783.4
     0.25             10.9       279.1       37.9     501.4
     0.30              7.6       193.8       26.3     348.2
```

```
VEG TYPE : 4   SPECIES : CHRNAU   MICRO PLOT : 01

                                                    DRY
                  HEIGHT      COVER    DENSITY     WEIGHT
---------------------------------------------------------
NUM. OBS               1          1          1          1
MEAN             213.000  13273.000      1.000      9.422
VARIANCE           0.000      0.000      0.000      0.000
STAN DEV           0.000      0.000      0.000      0.000
STAN ERR           0.000      0.000      0.000      0.000
COEF VAR             0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             213.000  13273.000      1.000      9.422
                 213.000  13273.000      1.000      9.422

95 %             213.000  13273.000      1.000      9.422
                 213.000  13273.000      1.000      9.422

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             213.000  13273.000      1.000      9.422
                 213.000  13273.000      1.000      9.422

95 %             213.000  13273.000      1.000      9.422
                 213.000  13273.000      1.000      9.422

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0        0.0        0.0        0.0
     0.10          0.0        0.0        0.0        0.0
     0.15          0.0        0.0        0.0        0.0
     0.20          0.0        0.0        0.0        0.0
     0.25          0.0        0.0        0.0        0.0
     0.30          0.0        0.0        0.0        0.0

95 %    R
     0.05          0.0        0.0        0.0        0.0
     0.10          0.0        0.0        0.0        0.0
     0.15          0.0        0.0        0.0        0.0
     0.20          0.0        0.0        0.0        0.0
     0.25          0.0        0.0        0.0        0.0
     0.30          0.0        0.0        0.0        0.0
```

```
VEG TYPE : 4    SPECIES : CHRVIS    MICRO PLOT :

                                                        DRY
                  HEIGHT       COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS              44          45         44          44
MEAN              83.682    2919.400      6.136       1.941
VARIANCE      1264.268**********         39.748      22.164
STAN DEV          35.557    5132.081      6.305       4.708
STAN ERR           5.360     765.045      0.950       0.710
COEF VAR            42.5       175.8      102.7       242.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              74.865    1661.053      4.573       0.773
                  92.499    4177.747      7.700       3.108

95 %              73.176    1419.911      4.273       0.549
                  94.188    4418.889      7.999       3.332

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              66.731     500.112      3.131      -0.304
                 100.633    5338.688      9.142       4.185

95 %              59.710    -501.990      1.886      -1.234
                 107.654    6340.790     10.387       5.115

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          195.4      3344.2     1142.3      6369.6
     0.10           48.8       836.0      285.6      1592.4
     0.15           21.7       371.6      126.9       707.7
     0.20           12.2       209.0       71.4       398.1
     0.25            7.8       133.8       45.7       254.8
     0.30            5.4        92.9       31.7       176.9

95 %    R
     0.05          277.4      4748.7     1622.1      9044.7
     0.10           69.4      1187.2      405.5      2261.2
     0.15           30.8       527.6      180.2      1005.0
     0.20           17.3       296.8      101.4       565.3
     0.25           11.1       189.9       64.9       361.8
     0.30            7.7       131.9       45.1       251.2
```

```
VEG TYPE : 4   SPECIES : CIRSPP   MICRO PLOT :

                                                 DRY
              HEIGHT       COVER   DENSITY    WEIGHT
--------------------------------------------------------
NUM. OBS          0            1         1         1
MEAN          0.000      119.000    14.000     0.008
VARIANCE      0.000        0.000     0.000     0.000
STAN DEV      0.000        0.000     0.000     0.000
STAN ERR      0.000        0.000     0.000     0.000
COEF VAR        0.0          0.0       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          0.000      119.000    14.000     0.008
              0.000      119.000    14.000     0.008

95 %          0.000      119.000    14.000     0.008
              0.000      119.000    14.000     0.008

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          0.000      119.000    14.000     0.008
              0.000      119.000    14.000     0.008

95 %          0.000      119.000    14.000     0.008
              0.000      119.000    14.000     0.008

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05        0.0          0.0       0.0       0.0
    0.10        0.0          0.0       0.0       0.0
    0.15        0.0          0.0       0.0       0.0
    0.20        0.0          0.0       0.0       0.0
    0.25        0.0          0.0       0.0       0.0
    0.30        0.0          0.0       0.0       0.0

95 %    R
    0.05        0.0          0.0       0.0       0.0
    0.10        0.0          0.0       0.0       0.0
    0.15        0.0          0.0       0.0       0.0
    0.20        0.0          0.0       0.0       0.0
    0.25        0.0          0.0       0.0       0.0
    0.30        0.0          0.0       0.0       0.0
```

```
VEG TYPE : 4    SPECIES : CLELIG    MICRO PLOT :

                                                          DRY
                  HEIGHT       COVER     DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS               1           1           1           1
MEAN              24.000      20.000       1.000       0.018
VARIANCE           0.000       0.000       0.000       0.000
STAN DEV           0.000       0.000       0.000       0.000
STAN ERR           0.000       0.000       0.000       0.000
COEF VAR           -0.0         0.0         0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              24.000      20.000       1.000       0.018
                  24.000      20.000       1.000       0.018

95 %              24.000      20.000       1.000       0.018
                  24.000      20.000       1.000       0.018

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              24.000      20.000       1.000       0.018
                  24.000      20.000       1.000       0.018

95 %              24.000      20.000       1.000       0.018
                  24.000      20.000       1.000       0.018

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05            0.0         0.0         0.0         0.0
    0.10            0.0         0.0         0.0         0.0
    0.15            0.0         0.0         0.0         0.0
    0.20            0.0         0.0         0.0         0.0
    0.25            0.0         0.0         0.0         0.0
    0.30            0.0         0.0         0.0         0.0

95 %   R
    0.05            0.0         0.0         0.0         0.0
    0.10            0.0         0.0         0.0         0.0
    0.15            0.0         0.0         0.0         0.0
    0.20            0.0         0.0         0.0         0.0
    0.25            0.0         0.0         0.0         0.0
    0.30            0.0         0.0         0.0         0.0
```

```
VEG TYPE : 4   SPECIES : CYRGRM   MICRO PLOT :

                                                        DRY
                  HEIGHT      COVER     DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS             0          1           0           0
MEAN             0.000   1250.000       0.000       0.000
VARIANCE         0.000      0.000       0.000       0.000
STAN DEV         0.000      0.000       0.000       0.000
STAN ERR         0.000      0.000       0.000       0.000
COEF VAR           0.0        0.0         0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000   1250.000       0.000       0.000
                 0.000   1250.000       0.000       0.000

95 %             0.000   1250.000       0.000       0.000
                 0.000   1250.000       0.000       0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000   1250.000       0.000       0.000
                 0.000   1250.000       0.000       0.000

95 %             0.000   1250.000       0.000       0.000
                 0.000   1250.000       0.000       0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
     0.05          0.0        0.0         0.0         0.0
     0.10          0.0        0.0         0.0         0.0
     0.15          0.0        0.0         0.0         0.0
     0.20          0.0        0.0         0.0         0.0
     0.25          0.0        0.0         0.0         0.0
     0.30          0.0        0.0         0.0         0.0

95 %   R
     0.05          0.0        0.0         0.0         0.0
     0.10          0.0        0.0         0.0         0.0
     0.15          0.0        0.0         0.0         0.0
     0.20          0.0        0.0         0.0         0.0
     0.25          0.0        0.0         0.0         0.0
     0.30          0.0        0.0         0.0         0.0
```

```
VEG TYPE : 4   SPECIES : DISSPI   MICRO PLOT :

                                                       DRY
                   HEIGHT        COVER    DENSITY     WEIGHT
-------------------------------------------------------------
NUM. OBS              40            40         39         40
MEAN              19.150      1558.200     76.359      0.410
VARIANCE          49.054********** 12873.657           1.257
STAN DEV           7.004      3426.892    113.462      1.121
STAN ERR           1.107       541.839     18.168      0.177
COEF VAR            36.6         219.9      148.6      273.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              17.329       666.983     46.475      0.119
                  20.971      2449.417    106.242      0.702

95 %              16.979       496.195     40.749      0.063
                  21.321      2620.205    111.969      0.758

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              15.648      -155.247     18.905     -0.150
                  22.652      3271.647    133.813      0.971

95 %              14.198      -864.981     -4.893     -0.382
                  24.102      3981.381    157.611      1.203

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          144.8        5234.1     2389.3     8078.3
     0.10           36.2        1308.5      597.3     2019.6
     0.15           16.1         581.6      265.5      897.6
     0.20            9.0         327.1      149.3      504.9
     0.25            5.8         209.4       95.6      323.1
     0.30            4.0         145.4       66.4      224.4

95 %    R
     0.05          205.5        7432.4     3392.8    11471.1
     0.10           51.4        1858.1      848.2     2867.8
     0.15           22.8         825.8      377.0     1274.6
     0.20           12.8         464.5      212.0      716.9
     0.25            8.2         297.3      135.7      458.8
     0.30            5.7         206.5       94.2      318.6
```

```
VEG TYPE : 4   SPECIES : EQUARV   MICRO PLOT :

                                                  DRY
               HEIGHT      COVER    DENSITY    WEIGHT
-----------------------------------------------------
NUM. OBS            6          6          6         6
MEAN           40.500    169.833    271.333     0.050
VARIANCE      526.300 51723.367155409.467     0.007
STAN DEV       22.941    227.428    394.220     0.082
STAN ERR        9.366     92.847    160.940     0.033
COEF VAR         56.6      133.9      145.3     162.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

 90 %          22.302    -10.568    -41.372    -0.014
               58.698    350.235    584.039     0.115

 95 %          17.582    -57.363   -122.486    -0.031
               63.418    397.030    665.153     0.132

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

 90 %          10.883   -123.775   -237.603    -0.055
               70.117    463.441    780.270     0.156

 95 %          -1.385   -245.391   -448.411    -0.099
               82.385    585.058    991.078     0.199

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

 90 %    R
     0.05       347.2     1940.6     2284.3    2848.3
     0.10        86.8      485.1      571.1     712.1
     0.15        38.6      215.6      253.8     316.5
     0.20        21.7      121.3      142.8     178.0
     0.25        13.9       77.6       91.4     113.9
     0.30         9.6       53.9       63.5      79.1

 95 %    R
     0.05       493.1     2755.6     3243.7    4044.6
     0.10       123.3      688.9      810.9    1011.1
     0.15        54.8      306.2      360.4     449.4
     0.20        30.8      172.2      202.7     252.8
     0.25        19.7      110.2      129.7     161.8
     0.30        13.7       76.5       90.1     112.3
```

```
VEG TYPE : 4   SPECIES : GUTSAR   MICRO PLOT :

                                                       DRY
                  HEIGHT       COVER    DENSITY     WEIGHT
-------------------------------------------------------------
NUM. OBS              3            3          3          3
MEAN             45.000     8433.333      2.333      8.680
VARIANCE        277.000**********         2.333    106.731
STAN DEV         16.643     6439.203      1.528     10.331
STAN ERR          9.609     3717.675      0.882      5.965
COEF VAR          37.0          76.4       65.5      119.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             22.390     -314.357      0.258     -5.355
                 67.610    17181.024      4.408     22.715

95 %             14.424    -3396.310     -0.473    -10.300
                 75.576    20262.977      5.140     27.659

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             14.614    -3322.998     -0.456    -10.182
                 75.386    20189.664      5.122     27.542

95 %              2.027    -8192.632     -1.611    -17.995
                 87.973    25059.299      6.277     35.354

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        148.0        630.9      463.8     1533.1
     0.10         37.0        157.7      115.9      383.3
     0.15         16.4         70.1       51.5      170.3
     0.20          9.3         39.4       29.0       95.8
     0.25          5.9         25.2       18.6       61.3
     0.30          4.1         17.5       12.9       42.6

95 %    R
     0.05        210.2        895.9      658.6     2177.0
     0.10         52.5        224.0      164.6      544.3
     0.15         23.4         99.5       73.2      241.9
     0.20         13.1         56.0       41.2      136.1
     0.25          8.4         35.8       26.3       87.1
     0.30          5.8         24.9       18.3       60.5
```

```
VEG TYPE : 4   SPECIES : IVAAXI   MICRO PLOT :

                                                DRY
              HEIGHT       COVER   DENSITY   WEIGHT
-----------------------------------------------------
NUM. OBS          11          11        11       11
MEAN          19.455     103.182     9.273    0.013
VARIANCE      80.873   17616.364    95.418    0.000
STAN DEV       8.993     132.727     9.768    0.016
STAN ERR       2.711      40.019     2.945    0.005
COEF VAR        46.2       128.6     105.3    118.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          14.585      31.308     3.983    0.005
              24.324     175.055    14.562    0.022

95 %          13.487      15.101     2.790    0.003
              25.422     191.263    15.755    0.024

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          10.880     -23.368    -0.041   -0.002
              28.029     229.732    18.586    0.028

95 %           7.328     -75.787    -3.899   -0.008
              31.581     282.151    22.444    0.034

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05      231.2      1790.6    1200.9   1510.6
     0.10       57.8       447.6     300.2    377.7
     0.15       25.7       199.0     133.4    167.8
     0.20       14.5       111.9      75.1     94.4
     0.25        9.2        71.6      48.0     60.4
     0.30        6.4        49.7      33.4     42.0

95 %    R
     0.05      328.3      2542.6    1705.3   2145.1
     0.10       82.1       635.7     426.3    536.3
     0.15       36.5       282.5     189.5    238.3
     0.20       20.5       158.9     106.6    134.1
     0.25       13.1       101.7      68.2     85.8
     0.30        9.1        70.6      47.4     59.6
```

```
VEG TYPE : 4    SPECIES : JUNBAL    MICRO PLOT :

                                                      DRY
                  HEIGHT       COVER    DENSITY     WEIGHT
------------------------------------------------------------
NUM. OBS               1           1          1          1
MEAN              64.000     480.000    464.000      0.024
VARIANCE           0.000       0.000      0.000      0.000
STAN DEV           0.000       0.000      0.000      0.000
STAN ERR           0.000       0.000      0.000      0.000
COEF VAR             0.0         0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              64.000     480.000    464.000      0.024
                  64.000     480.000    464.000      0.024

95 %              64.000     480.000    464.000      0.024
                  64.000     480.000    464.000      0.024

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              64.000     480.000    464.000      0.024
                  64.000     480.000    464.000      0.024

95 %              64.000     480.000    464.000      0.024
                  64.000     480.000    464.000      0.024

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            0.0         0.0        0.0        0.0
     0.10            0.0         0.0        0.0        0.0
     0.15            0.0         0.0        0.0        0.0
     0.20            0.0         0.0        0.0        0.0
     0.25            0.0         0.0        0.0        0.0
     0.30            0.0         0.0        0.0        0.0

95 %    R
     0.05            0.0         0.0        0.0        0.0
     0.10            0.0         0.0        0.0        0.0
     0.15            0.0         0.0        0.0        0.0
     0.20            0.0         0.0        0.0        0.0
     0.25            0.0         0.0        0.0        0.0
     0.30            0.0         0.0        0.0        0.0
```

```
VEG TYPE : 4    SPECIES : KOCSCO    MICRO PLOT :

                                                     DRY
                 HEIGHT       COVER    DENSITY     WEIGHT
--------------------------------------------------------
NUM. OBS              4           4          4          4
MEAN             50.000    1077.250    130.250      0.674
VARIANCE       1750.000********** 20173.583      0.253
STAN DEV         41.833    1322.650    142.034      0.503
STAN ERR         20.917     661.325     71.017      0.251
COEF VAR           83.7       122.8      109.0       74.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              5.406    -332.695    -21.158      0.138
                 94.594    2487.195    281.658      1.210

95 %             -8.064    -758.588    -66.893     -0.024
                108.064    2913.088    327.393      1.372

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            -16.144   -1014.045    -94.325     -0.121
                116.144    3168.545    354.825      1.470

95 %            -43.542   -1880.288   -187.347     -0.450
                143.542    4034.788    447.847      1.799

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05        757.5      1631.3     1286.8      602.2
      0.10        189.4       407.8      321.7      150.6
      0.15         84.2       181.3      143.0       66.9
      0.20         47.3       102.0       80.4       37.6
      0.25         30.3        65.3       51.5       24.1
      0.30         21.0        45.3       35.7       16.7

95 %    R
      0.05       1075.6      2316.5     1827.3      855.2
      0.10        268.9       579.1      456.8      213.8
      0.15        119.5       257.4      203.0       95.0
      0.20         67.2       144.8      114.2       53.4
      0.25         43.0        92.7       73.1       34.2
      0.30         29.9        64.3       50.8       23.8
```

```
VEG TYPE : 4    SPECIES : LITTER    MICRO PLOT :

                                                     DRY
                  HEIGHT        COVER    DENSITY    HEIGHT
-----------------------------------------------------------
NUM. OBS              0           99          0          0
MEAN              0.000 24831.222      0.000      0.000
VARIANCE          0.000**********      0.000      0.000
STAN DEV          0.000 15225.590      0.000      0.000
STAN ERR          0.000  1530.229      0.000      0.000
COEF VAR            0.0        61.3        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000 22314.301      0.000      0.000
                  0.000 27348.144      0.000      0.000

95 %              0.000 21831.973      0.000      0.000
                  0.000 27830.472      0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000 19992.208      0.000      0.000
                  0.000 29670.236      0.000      0.000

95 %              0.000 17987.822      0.000      0.000
                  0.000 31674.622      0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0       406.9        0.0        0.0
     0.10           0.0       101.7        0.0        0.0
     0.15           0.0        45.2        0.0        0.0
     0.20           0.0        25.4        0.0        0.0
     0.25           0.0        16.3        0.0        0.0
     0.30           0.0        11.3        0.0        0.0

95 %    R
     0.05           0.0       577.7        0.0        0.0
     0.10           0.0       144.4        0.0        0.0
     0.15           0.0        64.2        0.0        0.0
     0.20           0.0        36.1        0.0        0.0
     0.25           0.0        23.1        0.0        0.0
     0.30           0.0        16.0        0.0        0.0
```

```
VEG TYPE : 4   SPECIES : MELOFF   MICRO PLOT :

                                                  DRY
               HEIGHT      COVER    DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS            2          2          2          2
MEAN           28.000    110.000     20.000      0.013
VARIANCE      648.000      0.000      8.000      0.000
STAN DEV       25.456      0.000      2.828      0.007
STAN ERR       18.000      0.000      2.000      0.005
COEF VAR         90.9        0.0       14.1       54.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          -24.560    110.000     14.160     -0.002
               80.560    110.000     25.840      0.028

95 %          -49.454    110.000     11.394     -0.009
              105.454    110.000     28.606      0.035

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          -28.921    110.000     13.675     -0.003
               84.921    110.000     26.325      0.029

95 %          -52.499    110.000     11.056     -0.009
              108.499    110.000     28.944      0.035

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       894.4        0.0       21.6      320.2
     0.10       223.6        0.0        5.4       80.0
     0.15        99.4        0.0        2.4       35.6
     0.20        55.9        0.0        1.4       20.0
     0.25        35.8        0.0        0.9       12.8
     0.30        24.8        0.0        0.6        8.9

95 %    R
     0.05      1270.1        0.0       30.7      454.6
     0.10       317.5        0.0        7.7      113.7
     0.15       141.1        0.0        3.4       50.5
     0.20        79.4        0.0        1.9       28.4
     0.25        50.8        0.0        1.2       18.2
     0.30        35.3        0.0        0.9       12.6
```

```
VEG TYPE : 4    SPECIES : MOLASP    MICRO PLOT :

                                                        DRY
                  HEIGHT       COVER    DENSITY       HEIGHT
-----------------------------------------------------------
NUM. OBS              1            1          1            1
MEAN             45.000       15.000      2.000        0.002
VARIANCE          0.000        0.000      0.000        0.000
STAN DEV          0.000        0.000      0.000        0.000
STAN ERR          0.000        0.000      0.000        0.000
COEF VAR            0.0          0.0        0.0          0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             45.000       15.000      2.000        0.002
                 45.000       15.000      2.000        0.002

95 %             45.000       15.000      2.000        0.002
                 45.000       15.000      2.000        0.002

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             45.000       15.000      2.000        0.002
                 45.000       15.000      2.000        0.002

95 %             45.000       15.000      2.000        0.002
                 45.000       15.000      2.000        0.002

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %     R
       0.05         0.0          0.0          0.0          0.0
       0.10         0.0          0.0          0.0          0.0
       0.15         0.0          0.0          0.0          0.0
       0.20         0.0          0.0          0.0          0.0
       0.25         0.0          0.0          0.0          0.0
       0.30         0.0          0.0          0.0          0.0

95 %     R
       0.05         0.0          0.0          0.0          0.0
       0.10         0.0          0.0          0.0          0.0
       0.15         0.0          0.0          0.0          0.0
       0.20         0.0          0.0          0.0          0.0
       0.25         0.0          0.0          0.0          0.0
       0.30         0.0          0.0          0.0          0.0
```

```
                                                 DRY
                 HEIGHT      COVER    DENSITY   WEIGHT
-------------------------------------------------------
NUM. OBS              0          1          0        0
MEAN              0.000     50.000      0.000    0.000
VARIANCE          0.000      0.000      0.000    0.000
STAN DEV          0.000      0.000      0.000    0.000
STAN ERR          0.000      0.000      0.000    0.000
COEF VAR            0.0        0.0        0.0      0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000     50.000      0.000    0.000
                  0.000     50.000      0.000    0.000

95 %              0.000     50.000      0.000    0.000
                  0.000     50.000      0.000    0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000     50.000      0.000    0.000
                  0.000     50.000      0.000    0.000

95 %              0.000     50.000      0.000    0.000
                  0.000     50.000      0.000    0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0        0.0        0.0       0.0
     0.10          0.0        0.0        0.0       0.0
     0.15          0.0        0.0        0.0       0.0
     0.20          0.0        0.0        0.0       0.0
     0.25          0.0        0.0        0.0       0.0
     0.30          0.0        0.0        0.0       0.0

95 %    R
     0.05          0.0        0.0        0.0       0.0
     0.10          0.0        0.0        0.0       0.0
     0.15          0.0        0.0        0.0       0.0
     0.20          0.0        0.0        0.0       0.0
     0.25          0.0        0.0        0.0       0.0
     0.30          0.0        0.0        0.0       0.0
```

```
VEG TYPE : 4    SPECIES : PHRCOM    MICRO PLOT :

                                                      DRY
                     HEIGHT      COVER    DENSITY    WEIGHT
-------------------------------------------------------------
NUM. OBS                  1          1          1          1
MEAN                 84.000    210.000      1.000      0.221
VARIANCE              0.000      0.000      0.000      0.000
STAN DEV              0.000      0.000      0.000      0.000
STAN ERR              0.000      0.000      0.000      0.000
COEF VAR                0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                 84.000    210.000      1.000      0.221
                     84.000    210.000      1.000      0.221

95 %                 84.000    210.000      1.000      0.221
                     84.000    210.000      1.000      0.221

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                 84.000    210.000      1.000      0.221
                     84.000    210.000      1.000      0.221

95 %                 84.000    210.000      1.000      0.221
                     84.000    210.000      1.000      0.221

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05             0.0        0.0        0.0        0.0
      0.10             0.0        0.0        0.0        0.0
      0.15             0.0        0.0        0.0        0.0
      0.20             0.0        0.0        0.0        0.0
      0.25             0.0        0.0        0.0        0.0
      0.30             0.0        0.0        0.0        0.0

95 %    R
      0.05             0.0        0.0        0.0        0.0
      0.10             0.0        0.0        0.0        0.0
      0.15             0.0        0.0        0.0        0.0
      0.20             0.0        0.0        0.0        0.0
      0.25             0.0        0.0        0.0        0.0
      0.30             0.0        0.0        0.0        0.0
```

```
VEG TYPE : 4    SPECIES : POAFEN    MICRO PLOT :

                                                      DRY
                 HEIGHT      COVER    DENSITY      WEIGHT
--------------------------------------------------------------
NUM. OBS              4          4          4           4
MEAN             45.750    129.500     55.250       0.025
VARIANCE        426.250  18067.667   3976.917       0.000
STAN DEV         20.646    134.416     63.063       0.021
STAN ERR         10.323     67.208     31.531       0.011
COEF VAR           45.1      103.8      114.1        84.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             23.742    -13.787    -11.975       0.003
                 67.758    272.787    122.475       0.048

95 %             17.094    -57.069    -32.281      -0.004
                 74.406    316.069    142.781       0.055

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             13.106    -83.031    -44.461      -0.008
                 78.394    342.031    154.961       0.059

95 %             -0.416   -171.064    -85.763      -0.022
                 91.916    430.064    196.263       0.073

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05        220.4     1165.9     1409.8       767.6
      0.10         55.1      291.5      352.5       191.9
      0.15         24.5      129.5      156.6        85.3
      0.20         13.8       72.9       88.1        48.0
      0.25          8.8       46.6       56.4        30.7
      0.30          6.1       32.4       39.2        21.3

95 %    R
      0.05        312.9     1655.5     2002.0      1090.0
      0.10         78.2      413.9      500.5       272.5
      0.15         34.8      183.9      222.4       121.1
      0.20         19.6      103.5      125.1        68.1
      0.25         12.5       66.2       80.1        43.6
      0.30          8.7       46.0       55.6        30.3
```

```
VEG TYPE : 4   SPECIES : POPFRE   MICRO PLOT :

                                                       DRY
                  HEIGHT      COVER     DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS              11         22          11          8
MEAN            2113.091  23362.682       2.909     22.628
VARIANCE******************.......        11.091   1224.082
STAN DEV        1952.599  15625.624       3.330     34.987
STAN ERR         508.731   3331.437       1.004     12.370
COEF VAR            92.4       66.9       114.5      154.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            1055.731  17642.605       1.106     -0.380
                3170.451  29082.759       4.712     45.636

95 %             817.295  16453.282       0.699     -5.897
                3408.887  30272.082       5.119     51.152

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             251.360  12827.746      -0.266    -16.489
                3974.822  33897.618       6.084     61.744

95 %            -519.795   8464.030      -1.581    -32.691
                4745.977  38261.334       7.400     77.947

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          924.0      484.1      1418.2     2587.1
     0.10          231.0      121.0       354.6      646.8
     0.15          102.7       53.8       157.6      287.5
     0.20           57.8       30.3        88.6      161.7
     0.25           37.0       19.4        56.7      103.5
     0.30           25.7       13.4        39.4       71.9

95 %    R
     0.05         1312.1      687.4      2013.8     3673.6
     0.10          328.0      171.9       503.5      918.4
     0.15          145.8       76.4       223.8      408.2
     0.20           82.0       43.0       125.9      229.6
     0.25           52.5       27.5        80.6      146.9
     0.30           36.4       19.1        55.9      102.0
```

```
VEG TYPE : 4    SPECIES : RHUTRI    MICRO PLOT :

                                                   DRY
               HEIGHT      COVER   DENSITY      WEIGHT
------------------------------------------------------
NUM. OBS            1          1         1           1
MEAN           15.000     55.000     3.000       0.004
VARIANCE        0.000      0.000     0.000       0.000
STAN DEV        0.000      0.000     0.000       0.000
STAN ERR        0.000      0.000     0.000       0.000
COEF VAR          0.0        0.0       0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           15.000     55.000     3.000       0.004
               15.000     55.000     3.000       0.004

95 %           15.000     55.000     3.000       0.004
               15.000     55.000     3.000       0.004

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           15.000     55.000     3.000       0.004
               15.000     55.000     3.000       0.004

95 %           15.000     55.000     3.000       0.004
               15.000     55.000     3.000       0.004

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         0.0        0.0       0.0         0.0
     0.10         0.0        0.0       0.0         0.0
     0.15         0.0        0.0       0.0         0.0
     0.20         0.0        0.0       0.0         0.0
     0.25         0.0        0.0       0.0         0.0
     0.30         0.0        0.0       0.0         0.0

95 %    R
     0.05         0.0        0.0       0.0         0.0
     0.10         0.0        0.0       0.0         0.0
     0.15         0.0        0.0       0.0         0.0
     0.20         0.0        0.0       0.0         0.0
     0.25         0.0        0.0       0.0         0.0
     0.30         0.0        0.0       0.0         0.0
```

```
ED TYPE : 4   SPECIES : SALEXI   MICRO PLOT :

                                                            DRY
                  HEIGHT       COVER      DENSITY         WEIGHT
-----------------------------------------------------------------
NUM. OBS             11           12          11             11
MEAN            158.818     1229.250       2.364          0.409
VARIANCE  32658.564**********              4.255          0.642
STAN DEV        180.717     1883.615       2.063          0.801
STAN ERR         54.488      543.753       0.622          0.242
COEF VAR          113.8        153.2        87.3          195.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             60.957      260.283       1.247         -0.025
                256.679     2198.217       3.481          0.843

95 %             38.890       44.413       0.995         -0.122
                278.747     2414.087       3.732          0.941

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            -13.489     -490.248       0.397         -0.355
                331.125     2948.748       4.330          1.173

95 %            -84.861    -1202.488      -0.418         -0.671
                402.497     3660.988       5.145          1.489

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05       1401.1       2540.9       824.1         4147.1
      0.10        350.3        635.2       206.0         1036.8
      0.15        155.7        282.3        91.6          460.8
      0.20         87.6        158.8        51.5          259.2
      0.25         56.0        101.6        33.0          165.9
      0.30         38.9         70.6        22.9          115.2

95 %    R
      0.05       1989.6       3608.1      1170.2         5888.8
      0.10        497.4        902.0       292.6         1472.2
      0.15        221.1        400.9       130.0          654.3
      0.20        124.4        225.5        73.1          368.1
      0.25         79.6        144.3        46.8          235.6
      0.30         55.3        100.2        32.5          163.6
```

```
VEG TYPE : 4    SPECIES : SALKAL    MICRO PLOT :

                                                    DRY
                  HEIGHT      COVER    DENSITY    WEIGHT
-----------------------------------------------------------
NUM. OBS             15          15         15        15
MEAN             18.733     887.667     54.867     0.178
VARIANCE        109.924********** 12501.981      0.069
STAN DEV         10.484    1151.993    111.812     0.263
STAN ERR          2.707     297.443     28.870     0.068
COEF VAR           56.0       129.8      203.8     148.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             13.988     366.248      4.258     0.059
                 23.479    1409.085    105.475     0.297

95 %             12.965     253.815     -6.655     0.033
                 24.502    1521.519    116.388     0.323

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             10.173     -52.933    -36.428    -0.037
                 27.294    1828.266    146.161     0.393

95 %              6.627    -442.542    -74.243    -0.126
                 30.840    2217.875    183.976     0.482

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         339.0      1822.6     4494.2    2371.0
     0.10          84.7       455.6     1123.5     592.8
     0.15          37.7       202.5      499.4     263.4
     0.20          21.2       113.9      280.9     148.2
     0.25          13.6        72.9      179.8      94.8
     0.30           9.4        50.6      124.8      65.9

95 %    R
     0.05         481.3      2588.0     6381.7    3366.9
     0.10         120.3       647.0     1595.4     841.7
     0.15          53.5       287.6      709.1     374.1
     0.20          30.1       161.8      398.9     210.4
     0.25          19.3       103.5      255.3     134.7
     0.30          13.4        71.9      177.3      93.5
```

```
VEG TYPE : 4   SPECIES : SARVER   MICRO PLOT :

                                                     DRY
                  HEIGHT      COVER     DENSITY     WEIGHT
--------------------------------------------------------------
NUM. OBS              7          10           8          8
MEAN            421.857    6031.300       1.625      6.700
VARIANCE513923.143**********              0.839     88.554
STAN DEV        716.884    5630.079       0.916      9.410
STAN ERR        270.957    1780.387       0.324      3.327
COEF VAR          169.9        93.3        56.4      140.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            -91.606    2805.238       1.023      0.512
                935.320    9257.362       2.227     12.889

95 %           -218.956    2064.597       0.878     -0.972
               1062.670    9998.003       2.372     14.372

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           -434.984     401.217       0.601     -3.821
               1278.698   11661.383       2.649     17.221

95 %           -789.900   -1930.842       0.176     -8.179
               1633.614   13993.442       3.074     21.579

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %     R
     0.05        3125.0       943.0       343.9     2134.6
     0.10         781.3       235.7        86.0      533.6
     0.15         347.2       104.8        38.2      237.2
     0.20         195.3        58.9        21.5      133.4
     0.25         125.0        37.7        13.8       85.4
     0.30          86.8        26.2         9.6       59.3

95 %     R
     0.05        4437.5      1339.0       488.4     3031.1
     0.10        1109.4       334.7       122.1      757.8
     0.15         493.1       148.8        54.3      336.8
     0.20         277.3        83.7        30.5      189.4
     0.25         177.5        53.6        19.5      121.2
     0.30         123.3        37.2        13.6       84.2
```

```
VEG TYPE : 4   SPECIES : SISALT   MICRO PLOT :

                                                  DRY
               HEIGHT      COVER   DENSITY     WEIGHT
-----------------------------------------------------
NUM. OBS            2          2         2          2
MEAN           63.500     70.000     2.500      0.047
VARIANCE     3280.500   7200.000     0.500      0.004
STAN DEV       57.276     84.853     0.707      0.064
STAN ERR       40.500     60.000     0.500      0.045
COEF VAR         90.2      121.2      28.3      135.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          -54.760   -105.200     1.040     -0.084
              181.760    245.200     3.960      0.178

95 %         -110.772   -188.180     0.348     -0.147
              237.772    328.180     4.652      0.241

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          -64.572   -119.737     0.919     -0.095
              191.572    259.737     4.081      0.189

95 %         -117.622   -198.328     0.264     -0.154
              244.622    338.328     4.736      0.248

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       880.4     1590.1      86.6     1984.0
     0.10       220.1      397.5      21.6      496.0
     0.15        97.8      176.7       9.6      220.4
     0.20        55.0       99.4       5.4      124.0
     0.25        35.2       63.6       3.5       79.4
     0.30        24.5       44.2       2.4       55.1

95 %    R
     0.05      1250.2     2257.9     122.9     2817.3
     0.10       312.5      564.5      30.7      704.3
     0.15       138.9      250.9      13.7      313.0
     0.20        78.1      141.1       7.7      176.1
     0.25        50.0       90.3       4.9      112.7
     0.30        34.7       62.7       3.4       78.3
```

```
VEG TYPE : 4   SPECIES : SPHEAR   MICRO PLOT :

                                                     DRY
                  HEIGHT       COVER    DENSITY    WEIGHT
-------------------------------------------------------
NUM. OBS              2            2          2         2
MEAN              8.000       12.500      2.000     0.003
VARIANCE         50.000       12.500      2.000     0.000
STAN DEV          7.071        3.536      1.414     0.001
STAN ERR          5.000        2.500      1.000     0.001
COEF VAR           88.4         28.3       70.7      28.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             -6.600        5.200     -0.920     0.001
                 22.600       19.800      4.920     0.004

95 %            -13.515        1.743     -2.303     0.000
                 29.515       23.257      6.303     0.005

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -7.811        4.594     -1.162     0.001
                 23.811       20.406      5.162     0.004

95 %            -14.361        1.320     -2.472     0.000
                 30.361       23.680      6.472     0.005

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05        845.4         86.6      541.1      86.6
      0.10        211.4         21.6      135.3      21.6
      0.15         93.9          9.6       60.1       9.6
      0.20         52.8          5.4       33.8       5.4
      0.25         33.8          3.5       21.6       3.5
      0.30         23.5          2.4       15.0       2.4

95 %    R
      0.05       1200.5        122.9      768.3     122.9
      0.10        300.1         30.7      192.1      30.7
      0.15        133.4         13.7       85.4      13.7
      0.20         75.0          7.7       48.0       7.7
      0.25         48.0          4.9       30.7       4.9
      0.30         33.3          3.4       21.3       3.4
```

```
VEG TYPE : 4   SPECIES : SPOAIR   MICRO PLOT :

                                                        DRY
                   HEIGHT      COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS                6          7          6           6
MEAN               32.000    274.286      2.333       0.151
VARIANCE          724.800  44361.905      2.267       0.025
STAN DEV           26.922    210.623      1.506       0.159
STAN ERR           10.991     79.608      0.615       0.065
COEF VAR             84.1       76.8       64.5       104.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               10.645    123.429      1.139       0.025
                   53.355    425.143      3.528       0.277

95 %                5.105     86.013      0.829      -0.007
                   58.895    462.558      3.837       0.310

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               -2.756     22.543      0.390      -0.054
                   66.756    526.028      4.277       0.356

95 %              -17.153    -81.732     -0.415      -0.138
                   81.153    630.303      5.082       0.441

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           766.0      638.1      450.5      1189.8
     0.10           191.5      159.5      112.6       297.5
     0.15            85.1       70.9       50.1       132.2
     0.20            47.9       39.9       28.2        74.4
     0.25            30.6       25.5       18.0        47.6
     0.30            21.3       17.7       12.5        33.1

95 %    R
     0.05          1087.7      906.1      639.7      1689.6
     0.10           271.9      226.5      159.9       422.4
     0.15           120.9      100.7       71.1       187.7
     0.20            68.0       56.6       40.0       105.6
     0.25            43.5       36.2       25.6        67.6
     0.30            30.2       25.2       17.8        46.9
```

```
VEG TYPE : 4    SPECIES : STALIT    MICRO PLOT : 01

                                                     DRY
                HEIGHT       COVER    DENSITY     WEIGHT
--------------------------------------------------------
NUM. OBS             0           0          0         46
MEAN             0.000       0.000      0.000      0.029
VARIANCE         0.000       0.000      0.000      0.003
STAN DEV         0.000       0.000      0.000      0.058
STAN ERR         0.000       0.000      0.000      0.009
COEF VAR           0.0         0.0        0.0      203.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000       0.000      0.000      0.015
                 0.000       0.000      0.000      0.043

95 %             0.000       0.000      0.000      0.012
                 0.000       0.000      0.000      0.046

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000       0.000      0.000      0.001
                 0.000       0.000      0.000      0.056

95 %             0.000       0.000      0.000     -0.010
                 0.000       0.000      0.000      0.067

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0         0.0        0.0     4481.1
    0.10           0.0         0.0        0.0     1120.3
    0.15           0.0         0.0        0.0      497.9
    0.20           0.0         0.0        0.0      280.1
    0.25           0.0         0.0        0.0      179.2
    0.30           0.0         0.0        0.0      124.5

95 %    R
    0.05           0.0         0.0        0.0     6363.1
    0.10           0.0         0.0        0.0     1590.8
    0.15           0.0         0.0        0.0      707.0
    0.20           0.0         0.0        0.0      397.7
    0.25           0.0         0.0        0.0      254.5
    0.30           0.0         0.0        0.0      176.8
```

```
VEG TYPE : 4   SPECIES : STALIT   MICRO PLOT : 02

                                                  DRY
               HEIGHT     COVER    DENSITY     WEIGHT
-----------------------------------------------------
NUM. OBS            0         0          0         36
MEAN            0.000     0.000      0.000      0.016
VARIANCE        0.000     0.000      0.000      0.000
STAN DEV        0.000     0.000      0.000      0.021
STAN ERR        0.000     0.000      0.000      0.003
COEF VAR          0.0       0.0        0.0      129.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            0.000     0.000      0.000      0.010
                0.000     0.000      0.000      0.022

95 %            0.000     0.000      0.000      0.009
                0.000     0.000      0.000      0.023

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            0.000     0.000      0.000      0.005
                0.000     0.000      0.000      0.027

95 %            0.000     0.000      0.000      0.001
                0.000     0.000      0.000      0.031

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          0.0       0.0        0.0     1813.4
    0.10          0.0       0.0        0.0      453.4
    0.15          0.0       0.0        0.0      201.5
    0.20          0.0       0.0        0.0      113.3
    0.25          0.0       0.0        0.0       72.5
    0.30          0.0       0.0        0.0       50.4

95 %    R
    0.05          0.0       0.0        0.0     2575.1
    0.10          0.0       0.0        0.0      643.8
    0.15          0.0       0.0        0.0      286.1
    0.20          0.0       0.0        0.0      160.9
    0.25          0.0       0.0        0.0      103.0
    0.30          0.0       0.0        0.0       71.5
```

```
VEG TYPE : 4   SPECIES : TAMPEN   MICRO PLOT :

                                          DRY
            HEIGHT     COVER   DENSITY  WEIGHT
------------------------------------------------
NUM. OBS        13        18        14        14
MEAN       380.769 10596.722     4.571    13.838
VARIANCE283213.192**********    16.264   536.918
STAN DEV   532.178 12879.838     4.033    23.172
STAN ERR   147.600  3035.807     1.078     6.193
COEF VAR     139.8     121.5      88.2     167.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %       119.370  5332.633     2.673     2.932
           642.168 15860.812     6.469    24.743

95 %        61.954  4218.492     2.260     0.554
           699.584 16974.953     6.883    27.121

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %       -85.982   996.651     1.163    -5.746
           847.520 20196.794     7.980    33.421

95 %      -279.317 -2979.832    -0.249   -13.857
          1040.855 24173.276     9.392    41.533

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05    2113.9    1598.7     842.2    3034.3
    0.10     528.5     399.7     210.5     758.6
    0.15     234.9     177.6      93.6     337.1
    0.20     132.1      99.9      52.6     189.6
    0.25      84.6      63.9      33.7     121.4
    0.30      58.7      44.4      23.4      84.3

95 %   R
    0.05    3001.7    2270.1    1195.9    4308.7
    0.10     750.4     567.5     299.0    1077.2
    0.15     333.5     252.2     132.9     478.7
    0.20     187.6     141.9      74.7     269.3
    0.25     120.1      90.8      47.8     172.3
    0.30      83.4      63.1      33.2     119.7
```

```
VEG TYPE : 4   SITE : 1   SPECIES : AGRSMI   MICRO PLOT :

                                                   DRY
               HEIGHT      COVER   DENSITY      HEIGHT
----------------------------------------------------------
NUM. OBS            4          6         6           6
MEAN           71.250    335.500    35.500       0.071
VARIANCE     180.250427918.700  1153.100       0.015
STAN DEV       13.426    654.155    33.957       0.121
STAN ERR        6.713    267.058    13.863       0.049
COEF VAR         18.8      195.0      95.7       171.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           56.938   -183.393     8.564      -0.025
               85.562    854.393    62.436       0.166

95 %           52.615   -317.990     1.577      -0.050
               89.885    988.990    69.423       0.191

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           50.022   -509.011    -8.339      -0.085
               92.478   1180.011    79.339       0.226

95 %           41.229   -858.819   -26.497      -0.150
              101.271   1529.819    97.497       0.291

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          38.4     4114.0      990.1      3171.0
    0.10           9.6     1028.5      247.5       792.8
    0.15           4.3      457.1      110.0       352.3
    0.20           2.4      257.1       61.9       198.2
    0.25           1.5      164.6       39.6       126.8
    0.30           1.1      114.3       27.5        88.1

95 %    R
    0.05          54.6     5841.8     1406.0      4502.8
    0.10          13.6     1460.5      351.5      1125.7
    0.15           6.1      649.1      156.2       500.3
    0.20           3.4      365.1       87.9       281.4
    0.25           2.2      233.7       56.2       180.1
    0.30           1.5      162.3       39.1       125.1
```

```
VEG TYPE : 4   SITE : 1   SPECIES : ARTLUD   MICRO PLOT :

                                                    DRY
                 HEIGHT      COVER   DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS              1          1         1          1
MEAN             85.000  5281.000      1.000      4.435
VARIANCE          0.000     0.000      0.000      0.000
STAN DEV          0.000     0.000      0.000      0.000
STAN ERR          0.000     0.000      0.000      0.000
COEF VAR            0.0       0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             85.000  5281.000      1.000      4.435
                 85.000  5281.000      1.000      4.435

95 %             85.000  5281.000      1.000      4.435
                 85.000  5281.000      1.000      4.435

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             85.000  5281.000      1.000      4.435
                 85.000  5281.000      1.000      4.435

95 %             85.000  5281.000      1.000      4.435
                 85.000  5281.000      1.000      4.435

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05            0.0       0.0        0.0        0.0
    0.10            0.0       0.0        0.0        0.0
    0.15            0.0       0.0        0.0        0.0
    0.20            0.0       0.0        0.0        0.0
    0.25            0.0       0.0        0.0        0.0
    0.30            0.0       0.0        0.0        0.0

95 %   R
    0.05            0.0       0.0        0.0        0.0
    0.10            0.0       0.0        0.0        0.0
    0.15            0.0       0.0        0.0        0.0
    0.20            0.0       0.0        0.0        0.0
    0.25            0.0       0.0        0.0        0.0
    0.30            0.0       0.0        0.0        0.0
```

```
VEG TYPE : 4    SITE : 1    SPECIES : ATRPAT    MICRO PLOT :

                                                        DRY
                HEIGHT       COVER    DENSITY        WEIGHT
-----------------------------------------------------------
NUM. OBS             1           1          1             1
MEAN            86.000     770.000      1.000         0.154
VARIANCE         0.000       0.000      0.000         0.000
STAN DEV         0.000       0.000      0.000         0.000
STAN ERR         0.000       0.000      0.000         0.000
COEF VAR           0.0         0.0        0.0           0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            86.000     770.000      1.000         0.154
                86.000     770.000      1.000         0.154

95 %            86.000     770.000      1.000         0.154
                86.000     770.000      1.000         0.154

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            86.000     770.000      1.000         0.154
                86.000     770.000      1.000         0.154

95 %            86.000     770.000      1.000         0.154
                86.000     770.000      1.000         0.154

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0         0.0        0.0           0.0
    0.10           0.0         0.0        0.0           0.0
    0.15           0.0         0.0        0.0           0.0
    0.20           0.0         0.0        0.0           0.0
    0.25           0.0         0.0        0.0           0.0
    0.30           0.0         0.0        0.0           0.0

95 %    R
    0.05           0.0         0.0        0.0           0.0
    0.10           0.0         0.0        0.0           0.0
    0.15           0.0         0.0        0.0           0.0
    0.20           0.0         0.0        0.0           0.0
    0.25           0.0         0.0        0.0           0.0
    0.30           0.0         0.0        0.0           0.0
```

```
VEG TYPE : 4   SITE : 1   SPECIES : BARGRO   MICRO PLOT :

                                                    DRY
                  HEIGHT      COVER   DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS               0         20         0          0
MEAN               0.000   5492.250     0.000      0.000
VARIANCE           0.000**********      0.000      0.000
STAN DEV           0.000  10208.176     0.000      0.000
STAN ERR           0.000   2282.618     0.000      0.000
COEF VAR             0.0      185.9       0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000   1554.735     0.000      0.000
                   0.000   9429.765     0.000      0.000

95 %               0.000    730.710     0.000      0.000
                   0.000  10253.790     0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000  -1726.026     0.000      0.000
                   0.000  12710.526     0.000      0.000

95 %               0.000  -4715.936     0.000      0.000
                   0.000  15700.436     0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05             0.0     3738.4       0.0        0.0
    0.10             0.0      934.6       0.0        0.0
    0.15             0.0      415.4       0.0        0.0
    0.20             0.0      233.6       0.0        0.0
    0.25             0.0      149.5       0.0        0.0
    0.30             0.0      103.8       0.0        0.0

95 %    R
    0.05             0.0     5308.5       0.0        0.0
    0.10             0.0     1327.1       0.0        0.0
    0.15             0.0      589.8       0.0        0.0
    0.20             0.0      331.8       0.0        0.0
    0.25             0.0      212.3       0.0        0.0
    0.30             0.0      147.5       0.0        0.0
```

```
                                                         DRY
                 HEIGHT       COVER    DENSITY       WEIGHT
-----------------------------------------------------------
NUM. OBS            0            1            1           1
MEAN             0.000      40.000     216.000       0.013
VARIANCE         0.000       0.000       0.000       0.000
STAN DEV         0.000       0.000       0.000       0.000
STAN ERR         0.000       0.000       0.000       0.000
COEF VAR           0.0         0.0         0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000      40.000     216.000       0.013
                 0.000      40.000     216.000       0.013

95 %             0.000      40.000     216.000       0.013
                 0.000      40.000     216.000       0.013

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000      40.000     216.000       0.013
                 0.000      40.000     216.000       0.013

95 %             0.000      40.000     216.000       0.013
                 0.000      40.000     216.000       0.013

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05           0.0         0.0         0.0         0.0
    0.10           0.0         0.0         0.0         0.0
    0.15           0.0         0.0         0.0         0.0
    0.20           0.0         0.0         0.0         0.0
    0.25           0.0         0.0         0.0         0.0
    0.30           0.0         0.0         0.0         0.0

95 %   R
    0.05           0.0         0.0         0.0         0.0
    0.10           0.0         0.0         0.0         0.0
    0.15           0.0         0.0         0.0         0.0
    0.20           0.0         0.0         0.0         0.0
    0.25           0.0         0.0         0.0         0.0
    0.30           0.0         0.0         0.0         0.0
```

```
VEG TYPE : 4   SITE : 1   SPECIES : CHRNAU   MICRO PLOT :

                                               DRY
            HEIGHT     COVER   DENSITY    WEIGHT
------------------------------------------------
NUM. OBS         1         1         1         1
MEAN        95.000 21000.000     1.000    25.410
VARIANCE     0.000     0.000     0.000     0.000
STAN DEV     0.000     0.000     0.000     0.000
STAN ERR     0.000     0.000     0.000     0.000
COEF VAR       0.0       0.0       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %        95.000 21000.000     1.000    25.410
            95.000 21000.000     1.000    25.410

95 %        95.000 21000.000     1.000    25.410
            95.000 21000.000     1.000    25.410

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %        95.000 21000.000     1.000    25.410
            95.000 21000.000     1.000    25.410

95 %        95.000 21000.000     1.000    25.410
            95.000 21000.000     1.000    25.410

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05       0.0       0.0       0.0       0.0
    0.10       0.0       0.0       0.0       0.0
    0.15       0.0       0.0       0.0       0.0
    0.20       0.0       0.0       0.0       0.0
    0.25       0.0       0.0       0.0       0.0
    0.30       0.0       0.0       0.0       0.0

95 %   R
    0.05       0.0       0.0       0.0       0.0
    0.10       0.0       0.0       0.0       0.0
    0.15       0.0       0.0       0.0       0.0
    0.20       0.0       0.0       0.0       0.0
    0.25       0.0       0.0       0.0       0.0
    0.30       0.0       0.0       0.0       0.0
```

```
VEG TYPE : 4   SITE : 1   SPECIES : CHRVIS   MICRO PLOT :

                                                      DRY
              HEIGHT      COVER    DENSITY        WEIGHT
-----------------------------------------------------------
NUM. OBS          10         11         10            10
MEAN          89.500   1971.091     11.300         3.323
VARIANCE    1147.389*********       88.011        76.132
STAN DEV      33.873   1840.244      9.381         8.725
STAN ERR      10.712    554.854      2.967         2.759
COEF VAR        37.8       93.4       83.0         262.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          70.091    974.572      5.924        -1.677
             108.909   2967.609     16.676         8.322

95 %          65.635    749.856      4.690        -2.825
             113.365   3192.326     17.910         9.470

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          55.627    216.486      1.919        -5.403
             123.373   3725.696     20.681        12.048

95 %          41.596   -510.296     -1.967        -9.017
             137.404   4452.478     24.567        15.662

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
     0.05      155.0      943.2      745.9        7462.7
     0.10       38.8      235.8      186.5        1865.7
     0.15       17.2      104.8       82.9         829.2
     0.20        9.7       59.0       46.6         466.4
     0.25        6.2       37.7       29.8         298.5
     0.30        4.3       26.2       20.7         207.3

95 %   R
     0.05      220.1     1339.4     1059.1       10596.9
     0.10       55.0      334.8      264.8        2649.2
     0.15       24.5      148.8      117.7        1177.4
     0.20       13.8       83.7       66.2         662.3
     0.25        8.8       53.6       42.4         423.9
     0.30        6.1       37.2       29.4         294.4
```

```
VEG TYPE : 4    SITE : 1    SPECIES : CIRSPP    MICRO PLOT :

                                                        DRY
                 HEIGHT       COVER    DENSITY       WEIGHT
------------------------------------------------------------
NUM. OBS              0           1          1            1
MEAN              0.000     119.000     14.000        0.008
VARIANCE          0.000       0.000      0.000        0.000
STAN DEV          0.000       0.000      0.000        0.000
STAN ERR          0.000       0.000      0.000        0.000
COEF VAR            0.0         0.0        0.0          0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000     119.000     14.000        0.008
                  0.000     119.000     14.000        0.008

95 %              0.000     119.000     14.000        0.008
                  0.000     119.000     14.000        0.008

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000     119.000     14.000        0.008
                  0.000     119.000     14.000        0.008

95 %              0.000     119.000     14.000        0.008
                  0.000     119.000     14.000        0.008

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05           0.0          0.0         0.0         0.0
    0.10           0.0          0.0         0.0         0.0
    0.15           0.0          0.0         0.0         0.0
    0.20           0.0          0.0         0.0         0.0
    0.25           0.0          0.0         0.0         0.0
    0.30           0.0          0.0         0.0         0.0

95 %   R
    0.05           0.0          0.0         0.0         0.0
    0.10           0.0          0.0         0.0         0.0
    0.15           0.0          0.0         0.0         0.0
    0.20           0.0          0.0         0.0         0.0
    0.25           0.0          0.0         0.0         0.0
    0.30           0.0          0.0         0.0         0.0
```

```
VEG TYPE : 4   SITE : 1   SPECIES : DISSPI   MICRO PLOT :

                                                        DRY
                    HEIGHT       COVER    DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS                 8           8          7          8
MEAN                20.250      91.375     18.857      0.018
VARIANCE            50.214   10829.982    326.810      0.001
STAN DEV             7.086     104.067     18.078      0.024
STAN ERR             2.505      36.793      6.833      0.008
COEF VAR              35.0       113.9       95.9      135.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                15.590      22.939      5.909      0.002
                    24.910     159.811     31.805      0.033

95 %                14.473       6.530      2.698     -0.002
                    26.027     176.220     35.017      0.037

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                12.327     -24.976     -2.750     -0.009
                    28.173     207.726     40.464      0.044

95 %                 9.046     -73.170    -11.700     -0.020
                    31.454     255.920     49.414      0.055

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            132.5      1403.7      994.6     1974.6
     0.10             33.1       350.9      248.6      493.7
     0.15             14.7       156.0      110.5      219.4
     0.20              8.3        87.7       62.2      123.4
     0.25              5.3        56.1       39.8       79.0
     0.30              3.7        39.0       27.6       54.9

95 %    R
     0.05            188.2      1993.2     1412.3     2804.0
     0.10             47.0       498.3      353.1      701.0
     0.15             20.9       221.5      156.9      311.6
     0.20             11.8       124.6       88.3      175.2
     0.25              7.5        79.7       56.5      112.2
     0.30              5.2        55.4       39.2       77.9
```

```
VEG TYPE : 4    SITE : 1    SPECIES : EQUARV    MICRO PLOT :

                                                        DRY
              HEIGHT       COVER    DENSITY          WEIGHT
--------------------------------------------------------------
NUM. OBS           2           2           2              2
MEAN          65.000     425.000     729.500          0.138
VARIANCE     338.000 61250.000145260.500          0.011
STAN DEV      18.385     247.487     381.131          0.103
STAN ERR      13.000     175.000     269.500          0.073
COEF VAR        28.3        58.2        52.2           74.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          27.040     -86.000     -57.440         -0.074
             102.960     936.000    1516.440          0.349

95 %           9.061    -328.025    -430.159         -0.174
             120.939    1178.025    1889.159          0.449

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          23.890    -128.399    -122.734         -0.092
             106.110     978.399    1581.734          0.367

95 %           6.862    -357.625    -475.742         -0.187
             123.138    1207.625    1934.742          0.462

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       86.6       367.0       295.4          601.7
     0.10       21.6        91.7        73.8          150.4
     0.15        9.6        40.8        32.8           66.9
     0.20        5.4        22.9        18.5           37.6
     0.25        3.5        14.7        11.8           24.1
     0.30        2.4        10.2         8.2           16.7

95 %    R
     0.05      122.9       521.1       419.4          854.4
     0.10       30.7       130.3       104.9          213.6
     0.15       13.7        57.9        46.6           94.9
     0.20        7.7        32.6        26.2           53.4
     0.25        4.9        20.8        16.8           34.2
     0.30        3.4        14.5        11.7           23.7
```

```
VEG TYPE : 4   SITE : 1   SPECIES : IVAAXI   MICRO PLOT :

                                                   DRY
                 HEIGHT      COVER    DENSITY    WEIGHT
-----------------------------------------------------------
NUM. OBS              4          4          4          4
MEAN             16.750    162.500     12.000      0.020
VARIANCE         47.583  45291.667    140.000      0.000
STAN DEV          6.898    212.818     11.832      0.022
STAN ERR          3.449    106.409      5.916      0.011
COEF VAR           41.2      131.0       98.6      109.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              9.397    -64.364     -0.613     -0.003
                 24.103    389.364     24.613      0.043

95 %              7.175   -132.892     -4.423     -0.010
                 26.325    457.892     28.423      0.050

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              5.843   -173.996     -6.708     -0.014
                 27.657    498.996     30.708      0.054

95 %              1.325   -313.377    -14.458     -0.028
                 32.175    638.377     38.458      0.068

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          183.5     1856.1     1052.1     1286.1
    0.10           45.9      464.0      263.0      321.5
    0.15           20.4      206.2      116.9      142.9
    0.20           11.5      116.0       65.8       80.4
    0.25            7.3       74.2       42.1       51.4
    0.30            5.1       51.6       29.2       35.7

95 %    R
    0.05          260.6     2635.6     1494.0     1826.3
    0.10           65.2      658.9      373.5      456.6
    0.15           29.0      292.8      166.0      202.9
    0.20           16.3      164.7       93.4      114.1
    0.25           10.4      105.4       59.8       73.1
    0.30            7.2       73.2       41.5       50.7
```

```
VEG TYPE : 4   SITE : 1   SPECIES : JUNBAL   MICRO PLOT :

                                                    DRY
                 HEIGHT      COVER   DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS              1          1         1          1
MEAN             64.000    480.000   464.000      0.024
VARIANCE          0.000      0.000     0.000      0.000
STAN DEV          0.000      0.000     0.000      0.000
STAN ERR          0.000      0.000     0.000      0.000
COEF VAR            0.0        0.0       0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             64.000    480.000   464.000      0.024
                 64.000    480.000   464.000      0.024

95 %             64.000    480.000   464.000      0.024
                 64.000    480.000   464.000      0.024

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             64.000    480.000   464.000      0.024
                 64.000    480.000   464.000      0.024

95 %             64.000    480.000   464.000      0.024
                 64.000    480.000   464.000      0.024

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0        0.0       0.0        0.0
     0.10           0.0        0.0       0.0        0.0
     0.15           0.0        0.0       0.0        0.0
     0.20           0.0        0.0       0.0        0.0
     0.25           0.0        0.0       0.0        0.0
     0.30           0.0        0.0       0.0        0.0

95 %    R
     0.05           0.0        0.0       0.0        0.0
     0.10           0.0        0.0       0.0        0.0
     0.15           0.0        0.0       0.0        0.0
     0.20           0.0        0.0       0.0        0.0
     0.25           0.0        0.0       0.0        0.0
     0.30           0.0        0.0       0.0        0.0
```

```
VEG TYPE : 4   SITE : 1   SPECIES : KOCSCO   MICRO PLOT :

                                                   DRY
               HEIGHT      COVER    DENSITY     WEIGHT
--------------------------------------------------------
NUM. OBS            1          1          1          1
MEAN           15.000      9.000    195.000      0.009
VARIANCE        0.000      0.000      0.000      0.000
STAN DEV        0.000      0.000      0.000      0.000
STAN ERR        0.000      0.000      0.000      0.000
COEF VAR          0.0        0.0        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           15.000      9.000    195.000      0.009
               15.000      9.000    195.000      0.009

95 %           15.000      9.000    195.000      0.009
               15.000      9.000    195.000      0.009

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           15.000      9.000    195.000      0.009
               15.000      9.000    195.000      0.009

95 %           15.000      9.000    195.000      0.009
               15.000      9.000    195.000      0.009

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          0.0        0.0        0.0        0.0
    0.10          0.0        0.0        0.0        0.0
    0.15          0.0        0.0        0.0        0.0
    0.20          0.0        0.0        0.0        0.0
    0.25          0.0        0.0        0.0        0.0
    0.30          0.0        0.0        0.0        0.0

95 %    R
    0.05          0.0        0.0        0.0        0.0
    0.10          0.0        0.0        0.0        0.0
    0.15          0.0        0.0        0.0        0.0
    0.20          0.0        0.0        0.0        0.0
    0.25          0.0        0.0        0.0        0.0
    0.30          0.0        0.0        0.0        0.0
```

```
VEG TYPE : 4   SITE : 1   SPECIES : LITTER   MICRO PLOT :

                                                         DRY
                  HEIGHT       COVER    DENSITY        WEIGHT
-----------------------------------------------------------------
NUM. OBS              0           20          0             0
MEAN              0.000 29036.750      0.000         0.000
VARIANCE          0.000**********      0.000         0.000
STAN DEV          0.000 10798.464      0.000         0.000
STAN ERR          0.000  2414.610      0.000         0.000
COEF VAR            0.0        37.2        0.0           0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000 24871.548      0.000         0.000
                  0.000 33201.952      0.000         0.000

95 %              0.000 23999.874      0.000         0.000
                  0.000 34073.626      0.000         0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000 21401.077      0.000         0.000
                  0.000 36672.423      0.000         0.000

95 %              0.000 18238.276      0.000         0.000
                  0.000 39835.224      0.000         0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0       149.7        0.0          0.0
     0.10           0.0        37.4        0.0          0.0
     0.15           0.0        16.6        0.0          0.0
     0.20           0.0         9.4        0.0          0.0
     0.25           0.0         6.0        0.0          0.0
     0.30           0.0         4.2        0.0          0.0

95 %    R
     0.05           0.0       212.5        0.0          0.0
     0.10           0.0        53.1        0.0          0.0
     0.15           0.0        23.6        0.0          0.0
     0.20           0.0        13.3        0.0          0.0
     0.25           0.0         8.5        0.0          0.0
     0.30           0.0         5.9        0.0          0.0
```

```
VEG TYPE : 4   SITE : 1   SPECIES : PHRCOM   MICRO PLOT :

                                                  DRY
              HEIGHT       COVER   DENSITY     WEIGHT
-----------------------------------------------------
NUM. OBS           1           1         1          1
MEAN          84.000     210.000     1.000      0.221
VARIANCE       0.000       0.000     0.000      0.000
STAN DEV       0.000       0.000     0.000      0.000
STAN ERR       0.000       0.000     0.000      0.000
COEF VAR         0.0         0.0       0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          84.000     210.000     1.000      0.221
              84.000     210.000     1.000      0.221

95 %          84.000     210.000     1.000      0.221
              84.000     210.000     1.000      0.221

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          84.000     210.000     1.000      0.221
              84.000     210.000     1.000      0.221

95 %          84.000     210.000     1.000      0.221
              84.000     210.000     1.000      0.221

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05         0.0         0.0       0.0        0.0
    0.10         0.0         0.0       0.0        0.0
    0.15         0.0         0.0       0.0        0.0
    0.20         0.0         0.0       0.0        0.0
    0.25         0.0         0.0       0.0        0.0
    0.30         0.0         0.0       0.0        0.0

95 %    R
    0.05         0.0         0.0       0.0        0.0
    0.10         0.0         0.0       0.0        0.0
    0.15         0.0         0.0       0.0        0.0
    0.20         0.0         0.0       0.0        0.0
    0.25         0.0         0.0       0.0        0.0
    0.30         0.0         0.0       0.0        0.0
```

```
VEG TYPE : 4    SITE : 1    SPECIES : POPFRE    MICRO PLOT :

                                                      DRY
                HEIGHT       COVER    DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS             4           5          4           2
MEAN          1315.250 24576.000      3.750       0.557
VARIANCE*******************          30.250       0.295
STAN DEV      1327.075 21122.909      5.500       0.543
STAN ERR       663.538  9446.452      2.750       0.384
COEF VAR         100.9      85.9      146.7        97.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           -99.412  5541.399     -2.113      -0.564
              2729.912 43610.601      9.613       1.678

95 %          -526.730   289.172     -3.884      -1.095
              3157.230 48862.828     11.384       2.209

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          -783.041 -5296.326     -4.946      -0.657
              3413.541 54448.326     12.446       1.771

95 %         -1652.183-17669.856     -8.548      -1.160
              4282.683 66821.856     16.048       2.274

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       1101.7      799.4     2327.8      1028.7
     0.10        275.4      199.9      582.0       257.2
     0.15        122.4       88.8      258.6       114.3
     0.20         68.9       50.0      145.5        64.3
     0.25         44.1       32.0       93.1        41.1
     0.30         30.6       22.2       64.7        28.6

95 %    R
     0.05       1564.4     1135.2     3305.5      1460.7
     0.10        391.1      283.8      826.4       365.2
     0.15        173.8      126.1      367.3       162.3
     0.20         97.8       70.9      206.6        91.3
     0.25         62.6       45.4      132.2        58.4
     0.30         43.5       31.5       91.8        40.6
```

```
VEG TYPE : 4    SITE : 1    SPECIES : SALEXI    MICRO PLOT :

                                                      DRY
                 HEIGHT      COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS              1          1          1           1
MEAN             47.000    160.000      8.000       0.016
VARIANCE          0.000      0.000      0.000       0.000
STAN DEV          0.000      0.000      0.000       0.000
STAN ERR          0.000      0.000      0.000       0.000
COEF VAR            0.0        0.0        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             47.000    160.000      8.000       0.016
                 47.000    160.000      8.000       0.016

95 %             47.000    160.000      8.000       0.016
                 47.000    160.000      8.000       0.016

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             47.000    160.000      8.000       0.016
                 47.000    160.000      8.000       0.016

95 %             47.000    160.000      8.000       0.016
                 47.000    160.000      8.000       0.016

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0        0.0        0.0         0.0
    0.10           0.0        0.0        0.0         0.0
    0.15           0.0        0.0        0.0         0.0
    0.20           0.0        0.0        0.0         0.0
    0.25           0.0        0.0        0.0         0.0
    0.30           0.0        0.0        0.0         0.0

95 %    R
    0.05           0.0        0.0        0.0         0.0
    0.10           0.0        0.0        0.0         0.0
    0.15           0.0        0.0        0.0         0.0
    0.20           0.0        0.0        0.0         0.0
    0.25           0.0        0.0        0.0         0.0
    0.30           0.0        0.0        0.0         0.0
```

```
   TYPE : 4   SITE : 1   SPECIES : SALKAL   MICRO PLOT :

                                                     DRY
               HEIGHT      COVER   DENSITY       WEIGHT
------------------------------------------------------------
NUM. OBS            4          4          4            4
MEAN            8.750    920.000     66.000        0.028
VARIANCE        0.917********** 11356.667        0.002
STAN DEV        0.957   1686.989    106.568        0.039
STAN ERR        0.479    843.495     53.284        0.019
COEF VAR         10.9      183.4      161.5        137.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            7.729   -878.331    -47.601       -0.013
                9.771   2718.331    179.601        0.070

95 %            7.421  -1421.541    -81.916       -0.026
               10.079   3261.541    213.916        0.082

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            7.236  -1747.366   -102.498       -0.033
               10.264   3587.366    234.498        0.090

95 %            6.609  -2852.226   -172.293       -0.059
               10.891   4692.226    304.293        0.115

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA.LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05         13.0     3638.6     2821.3       2045.1
    0.10          3.2      909.7      705.3        511.3
    0.15          1.4      404.3      313.5        227.2
    0.20          0.8      227.4      176.3        127.8
    0.25          0.5      145.5      112.9         81.8
    0.30          0.4      101.1       78.4         56.8

95 %    R
    0.05         18.4     5166.8     4006.2       2904.1
    0.10          4.6     1291.7     1001.6        726.0
    0.15          2.0      574.1      445.1        322.7
    0.20          1.1      322.9      250.4        181.5
    0.25          0.7      206.7      160.2        116.2
    0.30          0.5      143.5      111.3         80.7
```

```
VEG TYPE : 4   SITE : 1   SPECIES : SARVER   MICRO PLOT :

                                                     DRY
                HEIGHT      COVER   DENSITY       WEIGHT
------------------------------------------------------------
NUM. OBS             1          1         1            1
MEAN           101.000 13273.000     1.000        3.583
VARIANCE         0.000     0.000     0.000        0.000
STAN DEV         0.000     0.000     0.000        0.000
STAN ERR         0.000     0.000     0.000        0.000
COEF VAR           0.0       0.0       0.0          0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           101.000 13273.000     1.000        3.583
               101.000 13273.000     1.000        3.583

95 %           101.000 13273.000     1.000        3.583
               101.000 13273.000     1.000        3.583

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           101.000 13273.000     1.000        3.583
               101.000 13273.000     1.000        3.583

95 %           101.000 13273.000     1.000        3.583
               101.000 13273.000     1.000        3.583

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0       0.0       0.0          0.0
    0.10           0.0       0.0       0.0          0.0
    0.15           0.0       0.0       0.0          0.0
    0.20           0.0       0.0       0.0          0.0
    0.25           0.0       0.0       0.0          0.0
    0.30           0.0       0.0       0.0          0.0

95 %    R
    0.05           0.0       0.0       0.0          0.0
    0.10           0.0       0.0       0.0          0.0
    0.15           0.0       0.0       0.0          0.0
    0.20           0.0       0.0       0.0          0.0
    0.25           0.0       0.0       0.0          0.0
    0.30           0.0       0.0       0.0          0.0
```

```
VEG TYPE : 4   SITE : 1   SPECIES : SISALT   MICRO PLOT :

                                                  DRY
               HEIGHT      COVER   DENSITY    WEIGHT
-----------------------------------------------------
NUM. OBS            2          2         2         2
MEAN           63.500     70.000     2.500     0.047
VARIANCE     3280.500   7200.000     0.500     0.004
STAN DEV       57.276     84.853     0.707     0.064
STAN ERR       40.500     60.000     0.500     0.045
COEF VAR         90.2      121.2      28.3     135.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          -54.760   -105.200     1.040    -0.084
              161.760    245.200     3.960     0.178

95 %         -110.772   -188.180     0.348    -0.147
              237.772    328.180     4.652     0.241

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          -64.572   -119.737     0.919    -0.095
              191.572    259.737     4.081     0.189

95 %         -117.622   -198.328     0.264    -0.154
              244.622    338.328     4.736     0.248

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       880.4     1590.1      86.6    1984.0
     0.10       220.1      397.5      21.6     496.0
     0.15        97.8      176.7       9.6     220.4
     0.20        55.0       99.4       5.4     124.0
     0.25        35.2       63.6       3.5      79.4
     0.30        24.5       44.2       2.4      55.1

95 %    R
     0.05      1250.2     2257.9     122.9    2817.3
     0.10       312.5      564.5      30.7     704.3
     0.15       138.9      250.9      13.7     313.0
     0.20        78.1      141.1       7.7     176.1
     0.25        50.0       90.3       4.9     112.7
     0.30        34.7       62.7       3.4      78.3
```

```
VEG TYPE : 4   SITE : 1   SPECIES : STALIT   MICRO PLOT : 01

                                                    DRY
                 HEIGHT      COVER   DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS              0          0         0         13
MEAN              0.000      0.000     0.000      0.017
VARIANCE          0.000      0.000     0.000      0.000
STAN DEV          0.000      0.000     0.000      0.015
STAN ERR          0.000      0.000     0.000      0.004
COEF VAR            0.0        0.0       0.0       83.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000      0.000     0.000      0.010
                  0.000      0.000     0.000      0.025

95 %              0.000      0.000     0.000      0.009
                  0.000      0.000     0.000      0.026

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000      0.000     0.000      0.005
                  0.000      0.000     0.000      0.030

95 %              0.000      0.000     0.000     -0.001
                  0.000      0.000     0.000      0.035

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05            0.0        0.0       0.0      746.9
    0.10            0.0        0.0       0.0      186.7
    0.15            0.0        0.0       0.0       83.0
    0.20            0.0        0.0       0.0       46.7
    0.25            0.0        0.0       0.0       29.9
    0.30            0.0        0.0       0.0       20.7

95 %   R
    0.05            0.0        0.0       0.0     1060.5
    0.10            0.0        0.0       0.0      265.1
    0.15            0.0        0.0       0.0      117.8
    0.20            0.0        0.0       0.0       66.3
    0.25            0.0        0.0       0.0       42.4
    0.30            0.0        0.0       0.0       29.5
```

```
VEG TYPE : 4   SITE : 1   SPECIES : STALIT   MICRO PLOT : 02

                                                  DRY
                 HEIGHT       COVER   DENSITY    WEIGHT
-------------------------------------------------------
NUM, OBS              0           0         0         9
MEAN              0.000       0.000     0.000     0.015
VARIANCE          0.000       0.000     0.000     0.000
STAN DEV          0.000       0.000     0.000     0.018
STAN ERR          0.000       0.000     0.000     0.006
COEF VAR            0.0         0.0       0.0     118.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000       0.000     0.000     0.004
                  0.000       0.000     0.000     0.027

95 %              0.000       0.000     0.000     0.002
                  0.000       0.000     0.000     0.029

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000       0.000     0.000    -0.004
                  0.000       0.000     0.000     0.035

95 %              0.000       0.000     0.000    -0.012
                  0.000       0.000     0.000     0.043

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0         0.0       0.0    1510.9
    0.10            0.0         0.0       0.0     377.7
    0.15            0.0         0.0       0.0     167.9
    0.20            0.0         0.0       0.0      94.4
    0.25            0.0         0.0       0.0      60.4
    0.30            0.0         0.0       0.0      42.0

95 %    R
    0.05            0.0         0.0       0.0    2145.4
    0.10            0.0         0.0       0.0     536.3
    0.15            0.0         0.0       0.0     238.4
    0.20            0.0         0.0       0.0     134.1
    0.25            0.0         0.0       0.0      85.8
    0.30            0.0         0.0       0.0      59.6
```

```
VEG TYPE : 4   SITE : 1   SPECIES : TAMPEN   MICRO PLOT :

                                           DRY
            HEIGHT     COVER   DENSITY    WEIGHT
------------------------------------------------
NUM. OBS         3         4         4         4
MEAN       319.333 11183.250     3.750     7.191
VARIANCE 10036.333**********     9.583    66.308
STAN DEV   100.182 10794.974     3.096     8.143
STAN ERR    57.840  5397.487     1.548     4.071
COEF VAR      31.4      96.5      82.6     113.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %       183.236  -324.192     0.450    -1.490
           455.430 22690.692     7.050    15.871

95 %       135.287 -3800.174    -0.547    -4.112
           503.380 26166.674     8.047    18.493

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %       136.428 -5885.115    -1.145    -5.685
           502.239 28251.615     8.645    20.066

95 %        60.666-12955.067    -3.172   -11.018
           578.001 35321.567    10.672    25.399

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05     106.5    1008.3     737.5    1387.8
    0.10      26.6     252.1     184.4     347.0
    0.15      11.8     112.0      81.9     154.2
    0.20       6.7      63.0      46.1      86.7
    0.25       4.3      40.3      29.5      55.5
    0.30       3.0      28.0      20.5      38.6

95 %   R
    0.05     151.2    1431.8    1047.2    1970.7
    0.10      37.8     357.9     261.8     492.7
    0.15      16.8     159.1     116.4     219.0
    0.20       9.5      89.5      65.4     123.2
    0.25       6.0      57.3      41.9      78.8
    0.30       4.2      39.8      29.1      54.7
```

```
VEG TYPE : 4   SITE : 2   SPECIES : AGSMI   MICRO PLOT :

                                                      DRY
                     HEIGHT     COVER     DENSITY    WEIGHT
-------------------------------------------------------------
NUM. OBS                  4          4          4         4
MEAN                 67.000    377.500     13.250     0.191
VARIANCE            132.667  72025.000    197.573     0.014
STAN DEV             11.518    268.375     14.056     0.120
STAN ERR              5.759    134.187      7.028     0.060
COEF VAR               17.2       71.1      106.1      62.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                 54.722     91.413     -1.734     0.063
                     79.278    663.587     28.234     0.319

95 %                 51.013      4.996     -6.200     0.025
                     82.987    750.004     32.700     0.357

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                 48.788    -46.838     -8.975     0.002
                     85.212    801.838     35.475     0.380

95 %                 41.245   -222.605    -18.181    -0.076
                     92.755    977.605     44.681     0.458

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          32.0      546.9     1217.9     424.4
     0.10           8.0      136.7      304.5     106.1
     0.15           3.6       60.8      135.3      47.2
     0.20           2.0       34.2       76.1      26.5
     0.25           1.3       21.9       48.7      17.0
     0.30           0.9       15.2       33.8      11.8

95 %    R
     0.05          45.4      776.6     1729.4     602.7
     0.10          11.4      194.2      432.3     150.7
     0.15           5.0       86.3      192.2      67.0
     0.20           2.8       48.5      108.1      37.7
     0.25           1.8       31.1       69.2      24.1
     0.30           1.3       21.6       48.0      16.7
```

```
VEG TYPE : 4   SITE : 2   SPECIES : BARGRO   MICRO PLOT :

                                                    DRY
                 HEIGHT      COVER    DENSITY     WEIGHT
---------------------------------------------------------
NUM, OBS              0          20          0          0
MEAN              0.000     813.250      0.000      0.000
VARIANCE          0.000*********         0.000      0.000
STAN DEV          0.000    1680.295      0.000      0.000
STAN ERR          0.000     375.725      0.000      0.000
COEF VAR            0.0       206.6        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000     165.124      0.000      0.000
                  0.000    1461.376      0.000      0.000

95 %              0.000      29.487      0.000      0.000
                  0.000    1597.013      0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000    -374.899      0.000      0.000
                  0.000    2001.399      0.000      0.000

95 %              0.000    -867.046      0.000      0.000
                  0.000    2493.546      0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
     0.05           0.0      4619.6        0.0        0.0
     0.10           0.0      1154.9        0.0        0.0
     0.15           0.0       513.3        0.0        0.0
     0.20           0.0       288.7        0.0        0.0
     0.25           0.0       184.8        0.0        0.0
     0.30           0.0       128.3        0.0        0.0

95 %   R
     0.05           0.0      6559.9        0.0        0.0
     0.10           0.0      1640.0        0.0        0.0
     0.15           0.0       728.9        0.0        0.0
     0.20           0.0       410.0        0.0        0.0
     0.25           0.0       262.4        0.0        0.0
     0.30           0.0       182.2        0.0        0.0
```

```
VEG TYPE : 4   SITE : 2   SPECIES : CARMAO   MICRO PLOT :

                                                          DRY
                HEIGHT      COVER    DENSITY         WEIGHT
-----------------------------------------------------------
NUM. OBS             4           5          4              4
MEAN            92.500    1672.000      2.000          0.491
VARIANCE      1375.000**********        2.000          0.283
STAN DEV        37.081    1438.496      1.414          0.532
STAN ERR        18.540     643.315      0.707          0.266
COEF VAR          40.1        86.0       70.7          108.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            52.972     375.721      0.492         -0.076
               132.028    2968.279      3.508          1.058

95 %            41.032      18.038      0.037         -0.248
               143.968    3325.962      3.963          1.230

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            33.870    -362.342     -0.236         -0.350
               151.130    3706.342      4.236          1.332

95 %             9.584   -1204.994     -1.162         -0.699
               175.416    4548.994      5.162          1.681

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05       173.9       801.0      541.1         1271.4
      0.10        43.5       200.2      135.3          317.8
      0.15        19.3        89.0       60.1          141.3
      0.20        10.9        50.1       33.8           79.5
      0.25         7.0        32.0       21.6           50.9
      0.30         4.8        22.2       15.0           35.3

95 %    R
      0.05       246.9      1137.4      768.3         1805.3
      0.10        61.7       284.4      192.1          451.3
      0.15        27.4       126.4       85.4          200.6
      0.20        15.4        71.1       48.0          112.8
      0.25         9.9        45.5       30.7           72.2
      0.30         6.9        31.6       21.3           50.1
```

```
VEG TYPE : 4   SITE : 2   SPECIES : CHRVIS   MICRO PLOT :

                                                        DRY
                 HEIGHT       COVER    DENSITY       WEIGHT
-------------------------------------------------------------
NUM. OBS             10          10         10           10
MEAN             68.200     947.000      5.600        0.325
VARIANCE        784.844**********       38.711        0.294
STAN DEV         28.015    1070.411      6.222        0.542
STAN ERR          8.859     338.494      1.968        0.171
COEF VAR           41.1       113.0      111.1        166.7

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             52.147     333.650      2.035        0.014
                 84.253    1560.350      9.165        0.636

95 %             48.462     192.836      1.216       -0.057
                 87.938    1701.164      9.984        0.707

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             40.185    -123.411     -0.622       -0.217
                 96.215    2017.411     11.822        0.867

95 %             28.581    -566.791     -3.199       -0.442
                107.819    2460.791     14.399        1.092

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         182.6      1382.6     1335.8       3008.8
     0.10          45.7       345.6      334.0        752.2
     0.15          20.3       153.6      148.4        334.3
     0.20          11.4        86.4       83.5        188.0
     0.25           7.3        55.3       53.4        120.4
     0.30           5.1        38.4       37.1         83.6

95 %    R
     0.05         259.3      1963.2     1896.8       4272.4
     0.10          64.8       490.8      474.2       1068.1
     0.15          28.8       218.1      210.8        474.7
     0.20          16.2       122.7      118.6        267.0
     0.25          10.4        78.5       75.9        170.9
     0.30           7.2        54.5       52.7        118.7
```

```
VEG TYPE : 4    SITE : 2    SPECIES : DISSPI    MICRO PLOT :

                                                         DRY
                HEIGHT       COVER     DENSITY       WEIGHT
---------------------------------------------------------------
NUM. OBS             8           8           8            8
MEAN            16.250    1443.375      65.250        0.339
VARIANCE        24.214**********      5755.643        0.495
STAN DEV         4.921    2587.969      75.866        0.704
STAN ERR         1.740     914.985      26.823        0.249
COEF VAR          30.3       179.3       116.3        207.8

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            13.014    -258.497      15.360       -0.124
                19.486    3145.247     115.140        0.802

95 %            12.238    -666.581       3.397       -0.235
                20.262    3553.331     127.103        0.913

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            10.748   -1450.064     -19.571       -0.448
                21.752    4336.814     150.071        1.126

95 %             8.470   -2648.567     -54.705       -0.774
                24.030    5535.317     185.205        1.451

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          99.2      3478.9      1462.9       4670.6
    0.10          24.8       869.7       365.7       1167.7
    0.15          11.0       386.5       162.5        519.0
    0.20           6.2       217.4        91.4        291.9
    0.25           4.0       139.2        58.5        186.8
    0.30           2.8        96.6        40.6        129.7

95 %    R
    0.05         140.9      4940.1      2077.3       6632.2
    0.10          35.2      1235.0       519.3       1658.1
    0.15          15.7       548.9       230.8        736.9
    0.20           8.8       308.8       129.8        414.5
    0.25           5.6       197.6        83.1        265.3
    0.30           3.9       137.2        57.7        184.2
```

```
VEG TYPE : 4   SITE : 2   SPECIES : LITTER   MICRO PLOT :

                                                       DRY
                 HEIGHT       COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS              0          20          0           0
MEAN              0.000 37266.400      0.000       0.000
VARIANCE          0.000**********      0.000       0.000
STAN DEV          0.000  2710.969      0.000       0.000
STAN ERR          0.000   606.191      0.000       0.000
COEF VAR            0.0       7.3        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000 36220.720      0.000       0.000
                  0.000 38312.080      0.000       0.000

95 %              0.000 36001.885      0.000       0.000
                  0.000 38530.915      0.000       0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000 35349.454      0.000       0.000
                  0.000 39183.346      0.000       0.000

95 %              0.000 34555.428      0.000       0.000
                  0.000 39977.372      0.000       0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0         5.7        0.0         0.0
    0.10            0.0         1.4        0.0         0.0
    0.15            0.0         0.6        0.0         0.0
    0.20            0.0         0.4        0.0         0.0
    0.25            0.0         0.2        0.0         0.0
    0.30            0.0         0.2        0.0         0.0

95 %    R
    0.05            0.0         8.1        0.0         0.0
    0.10            0.0         2.0        0.0         0.0
    0.15            0.0         0.9        0.0         0.0
    0.20            0.0         0.5        0.0         0.0
    0.25            0.0         0.3        0.0         0.0
    0.30            0.0         0.2        0.0         0.0
```

```
VEG TYPE : 4   SITE : 2   SPECIES : POPFRE   MICRO PLOT :

                                                 DRY
                  HEIGHT      COVER   DENSITY    WEIGHT
-------------------------------------------------------
NUM. OBS              0           1         0         0
MEAN              0.000 30000.000     0.000     0.000
VARIANCE          0.000       0.000     0.000     0.000
STAN DEV          0.000       0.000     0.000     0.000
STAN ERR          0.000       0.000     0.000     0.000
COEF VAR            0.0         0.0       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000 30000.000     0.000     0.000
                  0.000 30000.000     0.000     0.000

95 %              0.000 30000.000     0.000     0.000
                  0.000 30000.000     0.000     0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000 30000.000     0.000     0.000
                  0.000 30000.000     0.000     0.000

95 %              0.000 30000.000     0.000     0.000
                  0.000 30000.000     0.000     0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          0.0         0.0       0.0       0.0
    0.10          0.0         0.0       0.0       0.0
    0.15          0.0         0.0       0.0       0.0
    0.20          0.0         0.0       0.0       0.0
    0.25          0.0         0.0       0.0       0.0
    0.30          0.0         0.0       0.0       0.0

95 %    R
    0.05          0.0         0.0       0.0       0.0
    0.10          0.0         0.0       0.0       0.0
    0.15          0.0         0.0       0.0       0.0
    0.20          0.0         0.0       0.0       0.0
    0.25          0.0         0.0       0.0       0.0
    0.30          0.0         0.0       0.0       0.0
```

```
VEG TYPE : 4   SITE : 2   SPECIES : SARVER   MICRO PLOT :

                                                         DRY
                 HEIGHT       COVER   DENSITY         WEIGHT
-------------------------------------------------------------
NUM. OBS              1           3          2             2
MEAN            117.000    2663.333      1.000         0.462
VARIANCE          0.000**********        0.000         0.004
STAN DEV          0.000    1737.939      0.000         0.059
STAN ERR          0.000    1003.400      0.000         0.042
COEF VAR            0.0        65.3        0.0          12.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            117.000     302.334      1.000         0.339
                117.000    5024.333      1.000         0.585

95 %            117.000    -529.485      1.000         0.281
                117.000    5856.151      1.000         0.643

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            117.000    -509.698      1.000         0.329
                117.000    5836.364      1.000         0.595

95 %            117.000   -1824.011      1.000         0.274
                117.000    7150.678      1.000         0.650

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0       460.8        0.0          17.9
     0.10           0.0       115.2        0.0           4.5
     0.15           0.0        51.2        0.0           2.0
     0.20           0.0        28.8        0.0           1.1
     0.25           0.0        18.4        0.0           0.7
     0.30           0.0        12.8        0.0           0.5

95 %    R
     0.05           0.0       654.3        0.0          25.4
     0.10           0.0       163.6        0.0           6.3
     0.15           0.0        72.7        0.0           2.8
     0.20           0.0        40.9        0.0           1.6
     0.25           0.0        26.2        0.0           1.0
     0.30           0.0        18.2        0.0           0.7
```

```
VEG TYPE : 4   SITE : 2   SPECIES : SPHEAR   MICRO PLOT :

                                                      DRY
               HEIGHT      COVER    DENSITY        WEIGHT
--------------------------------------------------------------
NUM. OBS           2           2           2            2
MEAN           8.000      12.500       2.000        0.003
VARIANCE      50.000      12.500       2.000        0.000
STAN DEV       7.071       3.536       1.414        0.001
STAN ERR       5.000       2.500       1.000        0.001
COEF VAR        88.4        28.3        70.7         28.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          -6.600       5.200      -0.920        0.001
              22.600      19.800       4.920        0.004

95 %         -13.515       1.743      -2.303        0.000
              29.515      23.257       6.303        0.005

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          -7.811       4.594      -1.162        0.001
              23.811      20.406       5.162        0.004

95 %         -14.361       1.320      -2.472        0.000
              30.361      23.680       6.472        0.005

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05      845.4        86.6       541.1         86.6
     0.10      211.4        21.6       135.3         21.6
     0.15       93.9         9.6        60.1          9.6
     0.20       52.8         5.4        33.8          5.4
     0.25       33.8         3.5        21.6          3.5
     0.30       23.5         2.4        15.0          2.4

95 %    R
     0.05     1200.5       122.9       768.3        122.9
     0.10      300.1        30.7       192.1         30.7
     0.15      133.4        13.7        65.4         13.7
     0.20       75.0         7.7        48.0          7.7
     0.25       48.0         4.9        30.7          4.9
     0.30       33.3         3.4        21.3          3.4
```

```
VEG TYPE : 4   SITE : 2   SPECIES : SPOAIR   MICRO PLOT :

                                                    DRY
                  HEIGHT       COVER    DENSITY    WEIGHT
-----------------------------------------------------------
NUM. OBS              2            2          2          2
MEAN             33.000      500.000      2.500      0.235
VARIANCE        882.000     3200.000      0.500      0.086
STAN DEV         29.698       56.569      0.707      0.293
STAN ERR         21.000       40.000      0.500      0.208
COEF VAR           90.0         11.3       28.3      125.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            -28.320      383.200      1.040     -0.371
                 94.320      616.800      3.960      0.840

95 %            -57.363      327.880      0.348     -0.658
                123.363      672.120      4.652      1.127

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            -33.408      373.509      0.919     -0.422
                 99.408      626.491      4.081      0.891

95 %            -60.915      321.114      0.264     -0.693
                126.915      678.886      4.736      1.162

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05        876.4         13.9       86.6     1694.6
      0.10        219.1          3.5       21.6      423.6
      0.15         97.4          1.5        9.6      188.3
      0.20         54.8          0.9        5.4      105.9
      0.25         35.1          0.6        3.5       67.8
      0.30         24.3          0.4        2.4       47.1

95 %    R
      0.05       1244.6         19.7      122.9     2406.3
      0.10        311.1          4.9       30.7      601.6
      0.15        138.3          2.2       13.7      267.4
      0.20         77.8          1.2        7.7      150.4
      0.25         49.8          0.8        4.9       96.3
      0.30         34.6          0.5        3.4       66.8
```

```
VEG TYPE : 4   SITE : 2   SPECIES : STALIT   MICRO PLOT : 01

                                                        DRY
               HEIGHT      COVER     DENSITY          WEIGHT
----------------------------------------------------------------
NUM. OBS            0          0           0              18
MEAN            0.000      0.000       0.000           0.014
VARIANCE        0.000      0.000       0.000           0.000
STAN DEV        0.000      0.000       0.000           0.009
STAN ERR        0.000      0.000       0.000           0.002
COEF VAR          0.0        0.0         0.0            60.9

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            0.000      0.000       0.000           0.011
                0.000      0.000       0.000           0.018

95 %            0.000      0.000       0.000           0.010
                0.000      0.000       0.000           0.019

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            0.000      0.000       0.000           0.008
                0.000      0.000       0.000           0.021

95 %            0.000      0.000       0.000           0.005
                0.000      0.000       0.000           0.023

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
     0.05         0.0        0.0         0.0           401.3
     0.10         0.0        0.0         0.0           100.3
     0.15         0.0        0.0         0.0            44.6
     0.20         0.0        0.0         0.0            25.1
     0.25         0.0        0.0         0.0            16.1
     0.30         0.0        0.0         0.0            11.1

95 %   R
     0.05         0.0        0.0         0.0           569.8
     0.10         0.0        0.0         0.0           142.5
     0.15         0.0        0.0         0.0            63.3
     0.20         0.0        0.0         0.0            35.6
     0.25         0.0        0.0         0.0            22.8
     0.30         0.0        0.0         0.0            15.8
```

```
VEG TYPE : 4   SITE : 2   SPECIES : STALIT   MICRO PLOT : 02

                                                    DRY
                  HEIGHT      COVER   DENSITY     WEIGHT
-------------------------------------------------------------
NUM, OBS               0          0          0         11
MEAN               0.000      0.000      0.000      0.009
VARIANCE           0.000      0.000      0.000      0.000
STAN DEV           0.000      0.000      0.000      0.008
STAN ERR           0.000      0.000      0.000      0.002
COEF VAR             0.0        0.0        0.0       89.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000      0.000      0.000      0.005
                   0.000      0.000      0.000      0.013

95 %               0.000      0.000      0.000      0.004
                   0.000      0.000      0.000      0.014

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000      0.000      0.000      0.001
                   0.000      0.000      0.000      0.016

95 %               0.000      0.000      0.000     -0.002
                   0.000      0.000      0.000      0.019

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05             0.0        0.0        0.0      862.3
    0.10             0.0        0.0        0.0      215.6
    0.15             0.0        0.0        0.0       95.8
    0.20             0.0        0.0        0.0       53.9
    0.25             0.0        0.0        0.0       34.5
    0.30             0.0        0.0        0.0       24.0

95 %    R
    0.05             0.0        0.0        0.0     1224.5
    0.10             0.0        0.0        0.0      306.1
    0.15             0.0        0.0        0.0      136.1
    0.20             0.0        0.0        0.0       76.5
    0.25             0.0        0.0        0.0       49.0
    0.30             0.0        0.0        0.0       34.0
```

```
VEG TYPE : 4   SITE : 3   SPECIES : AGRSMI   MICRO PLOT :

                                                        DRY
                HEIGHT       COVER    DENSITY       WEIGHT
----------------------------------------------------------
NUM. OBS            10          10         10           10
MEAN            61.700     774.200     30.600        0.272
VARIANCE    361.789765474.178    1264.044        0.050
STAN DEV        19.021     874.914     35.553        0.225
STAN ERR         6.015     276.672     11.243        0.071
COEF VAR          30.8       113.0      116.2         82.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            50.801     272.870     10.228        0.144
                72.599    1275.530     50.972        0.401

95 %            48.299     157.775      5.551        0.114
                75.101    1390.625     55.649        0.431

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            42.679    -100.714     -4.953        0.048
                80.721    1649.114     66.153        0.497

95 %            34.801    -463.116    -19.680       -0.045
                88.599    2011.516     80.880        0.590

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        102.8      1382.0     1460.9        736.9
     0.10         25.7       345.5      365.2        184.2
     0.15         11.4       153.6      162.3         81.9
     0.20          6.4        86.4       91.3         46.1
     0.25          4.1        55.3       58.4         29.5
     0.30          2.9        38.4       40.6         20.5

95 %    R
     0.05        146.0      1962.4     2074.4       1046.4
     0.10         36.5       490.6      518.6        261.6
     0.15         16.2       218.0      230.5        116.3
     0.20          9.1       122.7      129.6         65.4
     0.25          5.8        78.5       83.0         41.9
     0.30          4.1        54.5       57.6         29.1
```

```
VEG TYPE : 4    SITE : 3    SPECIES : BARGRO    MICRO PLOT :

                                                          DRY
                    HEIGHT        COVER    DENSITY      WEIGHT
-----------------------------------------------------------------
NUM. OBS                 0           20          0           0
MEAN                 0.000      948.750      0.000       0.000
VARIANCE             0.000**********         0.000       0.000
STAN DEV             0.000     3753.842      0.000       0.000
STAN ERR             0.000      839.385      0.000       0.000
COEF VAR               0.0        395.7        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                 0.000    -499.188       0.000       0.000
                     0.000    2396.688       0.000       0.000

95 %                 0.000    -802.206       0.000       0.000
                     0.000    2699.706       0.000       0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                 0.000  -1705.619        0.000       0.000
                     0.000   3603.119        0.000       0.000

95 %                 0.000  -2805.096        0.000       0.000
                     0.000   4702.596        0.000       0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            0.0     16940.8         0.0         0.0
     0.10            0.0      4235.2         0.0         0.0
     0.15            0.0      1882.3         0.0         0.0
     0.20            0.0      1058.8         0.0         0.0
     0.25            0.0       677.6         0.0         0.0
     0.30            0.0       470.6         0.0         0.0

95 %    R
     0.05            0.0     24055.8         0.0         0.0
     0.10            0.0      6014.0         0.0         0.0
     0.15            0.0      2672.9         0.0         0.0
     0.20            0.0      1503.5         0.0         0.0
     0.25            0.0       962.2         0.0         0.0
     0.30            0.0       668.2         0.0         0.0
```

```
VEG TYPE : 4    SITE : 3    SPECIES : CHRNAU    MICRO PLOT :

                                                    DRY
                HEIGHT      COVER    DENSITY      WEIGHT
----------------------------------------------------------
NUM. OBS            2           4          2           2
MEAN           83.500     362.500      2.000       0.206
VARIANCE      312.500116425.000      2.000       0.057
STAN DEV       17.678     341.211      1.414       0.240
STAN ERR       12.500     170.606      1.000       0.170
COEF VAR         21.2        94.1       70.7       116.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           47.000      -1.231     -0.920      -0.289
              120.000     726.231      4.920       0.700

95 %           29.713    -111.101     -2.303      -0.524
              137.287     836.101      6.303       0.935

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           43.972    -177.002     -1.162      -0.331
              123.029     902.002      5.162       0.742

95 %           27.598    -400.472     -2.472      -0.553
              139.402    1125.472      6.472       0.964

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        48.5       958.8      541.1      1472.4
     0.10        12.1       239.7      135.3       368.1
     0.15         5.4       106.5       60.1       163.6
     0.20         3.0        59.9       33.8        92.0
     0.25         1.9        38.4       21.6        58.9
     0.30         1.3        26.6       15.0        40.9

95 %    R
     0.05        68.9      1361.5      768.3      2090.8
     0.10        17.2       340.4      192.1       522.7
     0.15         7.7       151.3       85.4       232.3
     0.20         4.3        85.1       48.0       130.7
     0.25         2.8        54.5       30.7        83.6
     0.30         1.9        37.8       21.3        58.1
```

```
VEG TYPE : 4   SITE : 3   SPECIES : CHRVIS   MICRO PLOT :

                                                  DRY
              HEIGHT      COVER    DENSITY     WEIGHT
-----------------------------------------------------
NUM. OBS           4          4          4          4
MEAN          65.750    160.000      1.000      0.056
VARIANCE    1184.250  10200.000      0.000      0.000
STAN DEV      34.413    100.995      0.000      0.021
STAN ERR      17.206     50.498      0.000      0.010
COEF VAR        52.3       63.1        0.0       36.7

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          29.066     52.339      1.000      0.034
             102.434    267.661      1.000      0.078

95 %          17.985     19.819      1.000      0.027
             113.515    300.181      1.000      0.085

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          11.338      0.313      1.000      0.024
             120.162    319.687      1.000      0.088

95 %         -11.200    -65.832      1.000      0.010
             142.700    385.832      1.000      0.102

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
     0.05      296.4      431.2        0.0      145.6
     0.10       74.1      107.8        0.0       36.4
     0.15       32.9       47.9        0.0       16.2
     0.20       18.5       26.9        0.0        9.1
     0.25       11.9       17.2        0.0        5.8
     0.30        8.2       12.0        0.0        4.0

95 %   R
     0.05      420.9      612.3        0.0      206.8
     0.10      105.2      153.1        0.0       51.7
     0.15       46.8       68.0        0.0       23.0
     0.20       26.3       38.3        0.0       12.9
     0.25       16.8       24.5        0.0        8.3
     0.30       11.7       17.0        0.0        5.7
```

```
                                                      DRY
                HEIGHT      COVER    DENSITY       WEIGHT
---------------------------------------------------------
NUM. OBS             1          1          1            1
MEAN            24.000     20.000      1.000        0.018
VARIANCE         0.000      0.000      0.000        0.000
STAN DEV         0.000      0.000      0.000        0.000
STAN ERR         0.000      0.000      0.000        0.000
COEF VAR           0.0        0.0        0.0          0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            24.000     20.000      1.000        0.018
                24.000     20.000      1.000        0.018

95 %            24.000     20.000      1.000        0.018
                24.000     20.000      1.000        0.018

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            24.000     20.000      1.000        0.018
                24.000     20.000      1.000        0.018

95 %            24.000     20.000      1.000        0.018
                24.000     20.000      1.000        0.018

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0        0.0        0.0          0.0
     0.10          0.0        0.0        0.0          0.0
     0.15          0.0        0.0        0.0          0.0
     0.20          0.0        0.0        0.0          0.0
     0.25          0.0        0.0        0.0          0.0
     0.30          0.0        0.0        0.0          0.0

95 %    R
     0.05          0.0        0.0        0.0          0.0
     0.10          0.0        0.0        0.0          0.0
     0.15          0.0        0.0        0.0          0.0
     0.20          0.0        0.0        0.0          0.0
     0.25          0.0        0.0        0.0          0.0
     0.30          0.0        0.0        0.0          0.0
```

```
VEG TYPE : 4   SITE : 3   SPECIES : DISSPI   MICRO PLOT :

                                                       DRY
               HEIGHT      COVER   DENSITY       WEIGHT
----------------------------------------------------------
NUM. OBS            13          13         13          13
MEAN            19.077   2428.462     99.154       0.691
VARIANCE        83.077********** 15817.808       3.342
STAN DEV         9.115   5412.464    125.769       1.828
STAN ERR         2.528   1501.147     34.882       0.507
COEF VAR          47.8      222.9      126.8       264.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            14.600   -230.070     37.378      -0.207
                23.554   5086.994    160.930       1.589

95 %            13.617   -814.017     23.809      -0.404
                24.537   5670.940    174.499       1.786

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            11.083 -2318.587     -11.153      -0.912
                27.071  7175.510     209.461       2.295

95 %             7.772 -4284.880     -56.843      -1.576
                30.382  9141.803     255.151       2.959

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        247.0     5375.4     1741.1      7566.8
     0.10         61.8     1343.9      435.3      1891.7
     0.15         27.4      597.3      193.5       840.8
     0.20         15.4      336.0      108.8       472.9
     0.25          9.9      215.0       69.6       302.7
     0.30          6.9      149.3       48.4       210.2

95 %    R
     0.05        350.8     7633.1     2472.3     10744.8
     0.10         87.7     1908.3      618.1      2686.2
     0.15         39.0      848.1      274.7      1193.9
     0.20         21.9      477.1      154.5       671.5
     0.25         14.0      305.3       98.9       429.8
     0.30          9.7      212.0       68.7       298.5
```

```
VEG TYPE : 4   SITE : 3   SPECIES : EQUARV   MICRO PLOT :

                                                      DRY
                HEIGHT       COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS             4           4          4           4
MEAN            28.250      42.250     42.250       0.007
VARIANCE       164.250     678.917    678.917       0.000
STAN DEV        12.816      26.056     26.056       0.003
STAN ERR         6.408      13.028     13.028       0.002
COEF VAR          45.4        61.7       61.7        50.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            14.588      14.474     14.474       0.003
                41.912      70.026     70.026       0.010

95 %            10.461       6.084      6.084       0.002
                46.039      78.416     78.416       0.011

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             7.986       1.052      1.052       0.001
                48.514      83.448     83.448       0.012

95 %            -0.407     -16.013    -16.013      -0.001
                56.907     100.513    100.513       0.014

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05         222.7       411.6      411.6       275.1
    0.10          55.7       102.9      102.9        68.8
    0.15          24.7        45.7       45.7        30.6
    0.20          13.9        25.7       25.7        17.2
    0.25           8.9        16.5       16.5        11.0
    0.30           6.2        11.4       11.4         7.6

95 %    R
    0.05         316.3       584.4      584.4       390.7
    0.10          79.1       146.1      146.1        97.7
    0.15          35.1        64.9       64.9        43.4
    0.20          19.8        36.5       36.5        24.4
    0.25          12.7        23.4       23.4        15.6
    0.30           8.8        16.2       16.2        10.9
```

```
VEG TYPE : 4   SITE : 3   SPECIES : IVAAXI   MICRO PLOT :

                                                  DRY
                 HEIGHT      COVER   DENSITY    WEIGHT
----------------------------------------------------------
NUM. OBS              5          5         5         5
MEAN             24.400     87.000     9.000     0.012
VARIANCE         83.300   3120.000   111.500     0.000
STAN DEV          9.127     55.857    10.559     0.013
STAN ERR          4.082     24.980     4.722     0.006
COEF VAR           37.4       64.2     117.3     105.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             16.175     36.665    -0.515     0.001
                 32.625    137.335    18.515     0.023

95 %             13.906     22.776    -3.141    -0.003
                 34.894    151.224    21.141     0.027

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             11.493      8.006    -5.933    -0.006
                 37.307    165.994    23.933     0.030

95 %              6.146    -24.714   -12.119    -0.013
                 42.654    198.714    30.119     0.037

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         151.4      446.1    1489.6    1202.4
     0.10          37.9      111.5     372.4     300.6
     0.15          16.8       49.6     165.5     133.6
     0.20           9.5       27.9      93.1      75.1
     0.25           6.1       17.8      59.6      48.1
     0.30           4.2       12.4      41.4      33.4

95 %    R
     0.05         215.0      633.4    2115.3    1707.4
     0.10          53.7      158.4     528.8     426.8
     0.15          23.9       70.4     235.0     189.7
     0.20          13.4       39.6     132.2     106.7
     0.25           8.6       25.3      84.6      68.3
     0.30           6.0       17.6      58.8      47.4
```

```
VEG TYPE : 4   SITE : 3   SPECIES : LITTER   MICRO PLOT :

                                                        DRY
                  HEIGHT       COVER     DENSITY      WEIGHT
-------------------------------------------------------------
NUM, OBS               0          20           0           0
MEAN               0.000 35524.950       0.000       0.000
VARIANCE           0.000**********       0.000       0.000
STAN DEV           0.000  6518.193       0.000       0.000
STAN ERR           0.000  1457.512       0.000       0.000
COEF VAR             0.0      18.3         0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000 33010.741       0.000       0.000
                   0.000 38039.159       0.000       0.000

95 %               0.000 32484.579       0.000       0.000
                   0.000 38565.321       0.000       0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000 30915.888       0.000       0.000
                   0.000 40134.012       0.000       0.000

95 %               0.000 29006.751       0.000       0.000
                   0.000 42043.149       0.000       0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            0.0        36.4         0.0         0.0
     0.10            0.0         9.1         0.0         0.0
     0.15            0.0         4.0         0.0         0.0
     0.20            0.0         2.3         0.0         0.0
     0.25            0.0         1.5         0.0         0.0
     0.30            0.0         1.0         0.0         0.0

95 %    R
     0.05            0.0        51.7         0.0         0.0
     0.10            0.0        12.9         0.0         0.0
     0.15            0.0         5.7         0.0         0.0
     0.20            0.0         3.2         0.0         0.0
     0.25            0.0         2.1         0.0         0.0
     0.30            0.0         1.4         0.0         0.0
```

```
VEG TYPE : 4    SITE : 3    SPECIES : MELOFF    MICRO PLOT :

                                                          DRY
                  HEIGHT       COVER    DENSITY       WEIGHT
---------------------------------------------------------------
NUM. OBS              1            1          1            1
MEAN             46.000      110.000     18.000        0.008
VARIANCE          0.000        0.000      0.000        0.000
STAN DEV          0.000        0.000      0.000        0.000
STAN ERR          0.000        0.000      0.000        0.000
COEF VAR            0.0          0.0        0.0          0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             46.000      110.000     18.000        0.008
                 46.000      110.000     18.000        0.008

95 %             46.000      110.000     18.000        0.008
                 46.000      110.000     18.000        0.008

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             46.000      110.000     18.000        0.008
                 46.000      110.000     18.000        0.008

95 %             46.000      110.000     18.000        0.008
                 46.000      110.000     18.000        0.008

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0          0.0          0.0          0.0
     0.10          0.0          0.0          0.0          0.0
     0.15          0.0          0.0          0.0          0.0
     0.20          0.0          0.0          0.0          0.0
     0.25          0.0          0.0          0.0          0.0
     0.30          0.0          0.0          0.0          0.0

95 %    R
     0.05          0.0          0.0          0.0          0.0
     0.10          0.0          0.0          0.0          0.0
     0.15          0.0          0.0          0.0          0.0
     0.20          0.0          0.0          0.0          0.0
     0.25          0.0          0.0          0.0          0.0
     0.30          0.0          0.0          0.0          0.0
```

```
VEG TYPE : 4   SITE : 3   SPECIES : POAFEN   MICRO PLOT :

                                                        DRY
                  HEIGHT      COVER    DENSITY      WEIGHT
-----------------------------------------------------------
NUM. OBS               3           3          3           3
MEAN              56.000     130.000     31.000       0.015
VARIANCE           9.000   27100.000   2437.000       0.000
STAN DEV           3.000     164.621     49.366       0.007
STAN ERR           1.732      95.044     28.501       0.004
COEF VAR             5.4       126.6      159.2        46.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              51.924     -93.638    -36.064       0.006
                  60.076     353.638     98.064       0.024

95 %              50.489    -172.430    -59.692       0.002
                  61.511     432.430    121.692       0.028

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              50.523    -170.555    -59.130       0.002
                  61.477     430.555    121.130       0.028

95 %              48.254    -295.049    -96.463      -0.003
                  63.746     555.049    158.463       0.033

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            3.1      1735.3     2744.2       230.9
     0.10            0.8       433.8      686.1        57.7
     0.15            0.3       192.8      304.9        25.7
     0.20            0.2       108.5      171.5        14.4
     0.25            0.1        69.4      109.8         9.2
     0.30            0.1        48.2       76.2         6.4

95 %    R
     0.05            4.4      2464.1     3896.8       327.8
     0.10            1.1       616.0      974.2        82.0
     0.15            0.5       273.8      433.0        36.4
     0.20            0.3       154.0      243.5        20.5
     0.25            0.2        98.6      155.9        13.1
     0.30            0.1        68.4      108.2         9.1
```

```
VEG TYPE : 4   SITE : 3   SPECIES : POPFRE   MICRO PLOT :

                                                    DRY
               HEIGHT      COVER   DENSITY      WEIGHT
**************************************************************
NUM. OBS          5          13          5           4
MEAN       2916.600 21161.462       1.600       6.177
VARIANCE*******************       0.800      46.664
STAN DEV   2583.961 14063.300       0.894       6.831
STAN ERR   1155.582  3900.458       0.400       3.416
COEF VAR       88.6      66.5        55.9       110.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %        588.102 14253.751       0.794      -1.105
           5245.098 28069.172       2.406      13.459

95 %        -54.402 12736.473       0.572      -3.304
           5887.602 29586.450       2.628      15.659

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %       -737.675  8827.123       0.335      -4.624
           6570.875 33495.800       2.865      16.978

95 %      -2251.326  3718.069      -0.189      -9.098
           8084.526 38604.854       3.389      21.452

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05       849.4      477.9       338.2      1323.4
    0.10       212.3      119.5        84.5       330.8
    0.15        94.4       53.1        37.6       147.0
    0.20        53.1       29.9        21.1        82.7
    0.25        34.0       19.1        13.5        52.9
    0.30        23.6       13.3         9.4        36.8

95 %    R
    0.05      1206.1      678.7       480.2      1879.2
    0.10       301.5      169.7       120.0       469.8
    0.15       134.0       75.4        53.4       208.8
    0.20        75.4       42.4        30.0       117.4
    0.25        48.2       27.1        19.2        75.2
    0.30        33.5       18.9        13.3        52.2
```

```
VEG TYPE : 4   SITE : 3   SPECIES : SPOAIR   MICRO PLOT :

                                                     DRY
               HEIGHT      COVER    DENSITY    WEIGHT
-------------------------------------------------------
NUM, OBS            4          5          4          4
MEAN           31.500    184.000      2.250      0.110
VARIANCE      913.000  30080.000      3.583      0.006
STAN DEV       30.216    173.436      1.893      0.080
STAN ERR       15.108     77.563      0.946      0.040
COEF VAR         95.9       94.3       84.1       72.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           -0.710     27.711      0.232      0.025
               63.710    340.289      4.268      0.195

95 %          -10.440    -15.414     -0.377     -0.001
               73.440    383.414      4.877      0.220

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          -16.276    -61.276     -0.743     -0.016
               79.276    429.276      5.243      0.236

95 %          -36.065   -162.872     -1.983     -0.068
               99.065    530.872      6.483      0.288

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05        995.7      961.5      766.0      570.3
    0.10        248.9      240.4      191.5      142.6
    0.15        110.6      106.8       85.1       63.4
    0.20         62.2       60.1       47.9       35.6
    0.25         39.8       38.5       30.6       22.8
    0.30         27.7       26.7       21.3       15.8

95 %   R
    0.05       1413.9     1365.3     1087.7      809.8
    0.10        353.5      341.3      271.9      202.4
    0.15        157.1      151.7      120.9       90.0
    0.20         88.4       85.3       68.0       50.6
    0.25         56.6       54.6       43.5       32.4
    0.30         39.3       37.9       30.2       22.5
```

```
VEG TYPE : 4   SITE : 3   SPECIES : STALIT   MICRO PLOT : 01

                                                     DRY
                HEIGHT      COVER   DENSITY       WEIGHT
-------------------------------------------------------
NUM. OBS             0          0         0            9
MEAN             0.000      0.000     0.000        0.026
VARIANCE         0.000      0.000     0.000        0.001
STAN DEV         0.000      0.000     0.000        0.025
STAN ERR         0.000      0.000     0.000        0.008
COEF VAR           0.0        0.0       0.0         94.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000      0.000     0.000        0.011
                 0.000      0.000     0.000        0.041

95 %             0.000      0.000     0.000        0.008
                 0.000      0.000     0.000        0.045

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000      0.000     0.000        0.000
                 0.000      0.000     0.000        0.052

95 %             0.000      0.000     0.000       -0.011
                 0.000      0.000     0.000        0.063

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0        0.0       0.0        962.7
    0.10           0.0        0.0       0.0        240.7
    0.15           0.0        0.0       0.0        107.0
    0.20           0.0        0.0       0.0         60.2
    0.25           0.0        0.0       0.0         38.5
    0.30           0.0        0.0       0.0         26.7

95 %    R
    0.05           0.0        0.0       0.0       1367.0
    0.10           0.0        0.0       0.0        341.7
    0.15           0.0        0.0       0.0        151.9
    0.20           0.0        0.0       0.0         85.4
    0.25           0.0        0.0       0.0         54.7
    0.30           0.0        0.0       0.0         38.0
```

```
VEG TYPE : 4   SITE : 3   SPECIES : STALIT   MICRO PLOT : 02

                                                          DRY
                  HEIGHT      COVER     DENSITY         WEIGHT
-------------------------------------------------------------
NUM. OBS               0          0           0              7
MEAN               0.000      0.000       0.000          0.026
VARIANCE           0.000      0.000       0.000          0.001
STAN DEV           0.000      0.000       0.000          0.034
STAN ERR           0.000      0.000       0.000          0.013
COEF VAR             0.0        0.0         0.0          131.6

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000      0.000       0.000          0.001
                   0.000      0.000       0.000          0.050

95 %               0.000      0.000       0.000         -0.005
                   0.000      0.000       0.000          0.056

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000      0.000       0.000         -0.015
                   0.000      0.000       0.000          0.066

95 %               0.000      0.000       0.000         -0.031
                   0.000      0.000       0.000          0.082

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %     R
     0.05           0.0         0.0         0.0        1874.4
     0.10           0.0         0.0         0.0         468.6
     0.15           0.0         0.0         0.0         208.3
     0.20           0.0         0.0         0.0         117.1
     0.25           0.0         0.0         0.0          75.0
     0.30           0.0         0.0         0.0          52.1

95 %     R
     0.05           0.0         0.0         0.0        2661.6
     0.10           0.0         0.0         0.0         665.4
     0.15           0.0         0.0         0.0         295.7
     0.20           0.0         0.0         0.0         166.4
     0.25           0.0         0.0         0.0         106.5
     0.30           0.0         0.0         0.0          73.9
```

```
VEG TYPE : 4   SITE : 3   SPECIES : TAMPEN   MICRO PLOT :

                                                   DRY
                HEIGHT       COVER   DENSITY    WEIGHT
-------------------------------------------------------
NUM. OBS             1           3         1         1
MEAN           309.000    4520.000     9.000    17.646
VARIANCE         0.000**********       0.000     0.000
STAN DEV         0.000    5178.919     0.000     0.000
STAN ERR         0.000    2990.050     0.000     0.000
COEF VAR           0.0       114.6       0.0       0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           309.000 -2515.588       9.000    17.646
               309.000 11555.588       9.000    17.646

95 %           309.000 -4994.340       9.000    17.646
               309.000 14034.340       9.000    17.646

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           309.000 -4935.376       9.000    17.646
               309.000 13975.376       9.000    17.646

95 %           309.000 -8851.923       9.000    17.646
               309.000 17891.923       9.000    17.646

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0      1420.7         0.0         0.0
     0.10          0.0       355.2         0.0         0.0
     0.15          0.0       157.9         0.0         0.0
     0.20          0.0        88.8         0.0         0.0
     0.25          0.0        56.8         0.0         0.0
     0.30          0.0        39.5         0.0         0.0

95 %    R
     0.05          0.0      2017.3         0.0         0.0
     0.10          0.0       504.3         0.0         0.0
     0.15          0.0       224.1         0.0         0.0
     0.20          0.0       126.1         0.0         0.0
     0.25          0.0        80.7         0.0         0.0
     0.30          0.0        56.0         0.0         0.0
```

```
VEG TYPE : 4    SITE : 4    SPECIES : AGRSMI    MICRO PLOT :

                                                          DRY
                   HEIGHT       COVER    DENSITY       WEIGHT
--------------------------------------------------------------
NUM. OBS                3           3          3            3
MEAN                9.667      37.000     13.667        0.001
VARIANCE            5.333    1597.000     90.333        0.000
STAN DEV            2.309      39.962      9.504        0.001
STAN ERR            1.333      23.072      5.487        0.000
COEF VAR             23.9       108.0       69.5         43.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                6.529     -17.289      0.755        0.001
                   12.804      91.289     26.578        0.002

95 %                5.424     -36.416     -3.794        0.000
                   13.909     110.416     31.127        0.002

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                5.450     -35.961     -3.686        0.000
                   13.883     109.961     31.019        0.002

95 %                3.704     -66.183    -10.874       -0.000
                   15.630     140.183     38.207        0.003

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05             61.8      1262.4      523.4        202.9
    0.10             15.4       315.6      130.8         50.7
    0.15              6.9       140.3       58.2         22.5
    0.20              3.9        78.9       32.7         12.7
    0.25              2.5        50.5       20.9          8.1
    0.30              1.7        35.1       14.5          5.6

95 %    R
    0.05             87.7      1792.6      743.2        288.1
    0.10             21.9       448.1      185.8         72.0
    0.15              9.7       199.2       82.6         32.0
    0.20              5.5       112.0       46.4         18.0
    0.25              3.5        71.7       29.7         11.5
    0.30              2.4        49.8       20.6          8.0
```

```
VEG TYPE : 4   SITE : 4   SPECIES : AMBPSI   MICRO PLOT :

                                                      DRY
                HEIGHT      COVER    DENSITY       HEIGHT
-------------------------------------------------------------
NUM. OBS             2          2          2            2
MEAN            13.000     50.000      5.500        0.005
VARIANCE         8.000    800.000      4.500        0.000
STAN DEV         2.828     28.284      2.121        0.005
STAN ERR         2.000     20.000      1.500        0.004
COEF VAR          21.8       56.6       38.6        110.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             7.160     -8.400      1.120       -0.006
                18.840    108.400      9.860        0.015

95 %             4.394    -36.060     -0.955       -0.011
                21.606    136.060     11.955        0.020

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             6.675    -13.246      0.757       -0.007
                19.325    113.246     10.243        0.016

95 %             4.056    -39.443     -1.208       -0.011
                21.944    139.443     12.208        0.020

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          51.2      346.3      161.0       1309.3
    0.10          12.8       86.6       40.2        327.3
    0.15           5.7       38.5       17.9        145.5
    0.20           3.2       21.6       10.1         81.8
    0.25           2.0       13.9        6.4         52.4
    0.30           1.4        9.6        4.5         36.4

95 %    R
    0.05          72.7      491.7      228.6       1859.1
    0.10          18.2      122.9       57.1        464.8
    0.15           8.1       54.6       25.4        206.6
    0.20           4.5       30.7       14.3        116.2
    0.25           2.9       19.7        9.1         74.4
    0.30           2.0       13.7        6.3         51.6
```

```
VEG TYPE : 4    SITE : 4    SPECIES : ARTTRI    MICRO PLOT :

                                                        DRY
                  HEIGHT      COVER    DENSITY       WEIGHT
-------------------------------------------------------------
NUM, OBS               5          5          5            5
MEAN              55.600    866.000      1.400        0.418
VARIANCE         566.800**********      0.300        0.521
STAN DEV          23.808   1263.796      0.548        0.722
STAN ERR          10.647    565.187      0.245        0.323
COEF VAR            42.8      145.9       39.1        172.7

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              34.146   -272.851      0.906       -0.232
                  77.054   2004.851      1.894        1.069

95 %              28.226   -587.095      0.770       -0.412
                  82.974   2319.095      2.030        1.248

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              21.931   -921.279      0.625       -0.603
                  89.269   2653.279      2.175        1.439

95 %               7.985  -1661.594      0.305       -1.026
                 103.215   3393.594      2.495        1.862

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05         198.4     2304.6      165.6       3225.9
      0.10          49.6      576.2       41.4        806.5
      0.15          22.0      256.1       18.4        358.4
      0.20          12.4      144.0       10.4        201.6
      0.25           7.9       92.2        6.6        129.0
      0.30           5.5       64.0        4.6         89.6

95 %    R
      0.05         281.7     3272.6      235.2       4580.7
      0.10          70.4      818.1       58.8       1145.2
      0.15          31.3      363.6       26.1        509.0
      0.20          17.6      204.5       14.7        286.3
      0.25          11.3      130.9        9.4        183.2
      0.30           7.8       90.9        6.5        127.2
```

```
VEG TYPE : 4   SITE : 4   SPECIES : BARGRO   MICRO PLOT :

                                                     DRY
                HEIGHT      COVER    DENSITY      WEIGHT
----------------------------------------------------------
NUM, OBS             0         20          0           0
MEAN             0.000  15260.550      0.000       0.000
VARIANCE         0.000**********      0.000       0.000
STAN DEV         0.000  14901.698      0.000       0.000
STAN ERR         0.000   3332.121      0.000       0.000
COEF VAR           0.0       97.6        0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000   9512.641      0.000       0.000
                 0.000  21008.459      0.000       0.000

95 %             0.000   8309.746      0.000       0.000
                 0.000  22211.354      0.000       0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000   4723.451      0.000       0.000
                 0.000  25797.649      0.000       0.000

95 %             0.000    358.839      0.000       0.000
                 0.000  30162.261      0.000       0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05           0.0     1031.9        0.0         0.0
    0.10           0.0      258.0        0.0         0.0
    0.15           0.0      114.7        0.0         0.0
    0.20           0.0       64.5        0.0         0.0
    0.25           0.0       41.3        0.0         0.0
    0.30           0.0       28.7        0.0         0.0

95 %    R
    0.05           0.0     1465.2        0.0         0.0
    0.10           0.0      366.3        0.0         0.0
    0.15           0.0      162.8        0.0         0.0
    0.20           0.0       91.6        0.0         0.0
    0.25           0.0       58.6        0.0         0.0
    0.30           0.0       40.7        0.0         0.0
```

```
                                                  DRY
                 HEIGHT      COVER   DENSITY   WEIGHT
-----------------------------------------------------
NUM. OBS              7          7         7        7
MEAN             69.714   1367.143     1.857    0.653
VARIANCE       1839.571**********      0.476    2.565
STAN DEV         42.890   3115.230     0.690    1.602
STAN ERR         16.211   1177.446     0.261    0.605
COEF VAR           61.5      227.9      37.2    245.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             38.994   -664.118     1.363   -0.494
                100.434   3598.403     2.351    1.800

95 %             31.375  -1417.517     1.240   -0.779
                108.053   4151.803     2.474    2.085

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             18.451  -2356.272     1.032   -1.261
                120.978   5090.557     2.682    2.567

95 %             -2.783  -3898.561     0.691   -2.054
                142.212   6632.847     3.024    3.360

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
     0.05         409.6     5618.7     149.4   6510.7
     0.10         102.4     1404.7      37.4   1627.7
     0.15          45.5      624.3      16.6    723.4
     0.20          25.6      351.2       9.3    406.9
     0.25          16.4      224.7       6.0    260.4
     0.30          11.4      156.1       4.2    180.9

95 %   R
     0.05         581.6     7978.6     212.2   9245.1
     0.10         145.4     1994.6      53.0   2311.3
     0.15          64.6      886.5      23.6   1027.2
     0.20          36.4      498.7      13.3    577.8
     0.25          23.3      319.1       8.5    369.8
     0.30          16.2      221.6       5.9    256.8
```

```
VEG TYPE : 4    SITE : 4    SPECIES : CHRNAU    MICRO PLOT : 01

                                                         DRY
                  HEIGHT       COVER    DENSITY       WEIGHT
--------------------------------------------------------------
NUM. OBS               1           1           1           1
MEAN             213.000   13273.000       1.000       9.422
VARIANCE           0.000       0.000       0.000       0.000
STAN DEV           0.000       0.000       0.000       0.000
STAN ERR           0.000       0.000       0.000       0.000
COEF VAR             0.0         0.0         0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             213.000   13273.000       1.000       9.422
                 213.000   13273.000       1.000       9.422

95 %             213.000   13273.000       1.000       9.422
                 213.000   13273.000       1.000       9.422

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             213.000   13273.000       1.000       9.422
                 213.000   13273.000       1.000       9.422

95 %             213.000   13273.000       1.000       9.422
                 213.000   13273.000       1.000       9.422

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05            0.0         0.0         0.0         0.0
     0.10            0.0         0.0         0.0         0.0
     0.15            0.0         0.0         0.0         0.0
     0.20            0.0         0.0         0.0         0.0
     0.25            0.0         0.0         0.0         0.0
     0.30            0.0         0.0         0.0         0.0

95 %    R
     0.05            0.0         0.0         0.0         0.0
     0.10            0.0         0.0         0.0         0.0
     0.15            0.0         0.0         0.0         0.0
     0.20            0.0         0.0         0.0         0.0
     0.25            0.0         0.0         0.0         0.0
     0.30            0.0         0.0         0.0         0.0
```

```
VEG TYPE : 4   SITE : 4   SPECIES : CHRVIS   MICRO PLOT :

                                                  DRY
                 HEIGHT     COVER   DENSITY    WEIGHT
---------------------------------------------------------
NUM. OBS              7         7         7         7
MEAN             70.857   703.000     5.143     0.331
VARIANCE        894.476**********    11.810     0.583
STAN DEV         29.908  1408.490     3.436     0.704
STAN ERR         11.304   532.359     1.299     0.289
COEF VAR           42.2     200.4      66.8     230.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             49.436  -305.820     2.681    -0.216
                 92.278  1711.820     7.604     0.878

95 %             44.123  -556.029     2.071    -0.351
                 97.591  1962.029     8.215     1.014

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             35.110  -980.468     1.035    -0.581
                106.604  2386.468     9.250     1.244

95 %             20.304 -1677.784    -0.666    -0.959
                121.411  3083.784    10.952     1.622

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
       0.05       192.8    4343.9     483.2    5745.8
       0.10        48.2    1086.0     120.8    1436.4
       0.15        21.4     482.7      53.7     638.4
       0.20        12.0     271.5      30.2     359.1
       0.25         7.7     173.8      19.3     229.8
       0.30         5.4     120.7      13.4     159.6

95 %   R
       0.05       273.8    6168.3     686.1    8159.0
       0.10        68.4    1542.1     171.5    2039.7
       0.15        30.4     685.4      76.2     906.6
       0.20        17.1     385.5      42.9     509.9
       0.25        11.0     246.7      27.4     326.4
       0.30         7.6     171.3      19.1     226.6
```

```
VEG TYPE : 4   SITE : 4   SPECIES : CYRGRM   MICRO PLOT :

                                                  DRY
                HEIGHT      COVER   DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS             0          1         0          0
MEAN             0.000   1250.000     0.000      0.000
VARIANCE         0.000      0.000     0.000      0.000
STAN DEV         0.000      0.000     0.000      0.000
STAN ERR         0.000      0.000     0.000      0.000
COEF VAR           0.0        0.0       0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000   1250.000     0.000      0.000
                 0.000   1250.000     0.000      0.000

95 %             0.000   1250.000     0.000      0.000
                 0.000   1250.000     0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000   1250.000     0.000      0.000
                 0.000   1250.000     0.000      0.000

95 %             0.000   1250.000     0.000      0.000
                 0.000   1250.000     0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          0.0        0.0       0.0        0.0
     0.10          0.0        0.0       0.0        0.0
     0.15          0.0        0.0       0.0        0.0
     0.20          0.0        0.0       0.0        0.0
     0.25          0.0        0.0       0.0        0.0
     0.30          0.0        0.0       0.0        0.0

95 %    R
     0.05          0.0        0.0       0.0        0.0
     0.10          0.0        0.0       0.0        0.0
     0.15          0.0        0.0       0.0        0.0
     0.20          0.0        0.0       0.0        0.0
     0.25          0.0        0.0       0.0        0.0
     0.30          0.0        0.0       0.0        0.0
```

```
 LU TYPE : 4    SITE : 4    SPECIES : DISSPI    MICRO PLOT :

                                                    DRY
                    HEIGHT       COVER    DENSITY   WEIGHT
 ----------------------------------------------------------
 NUM. OBS                3           3          3         3
 MEAN               25.000      93.333     11.333     0.010
 VARIANCE           31.000    8633.333     65.333     0.000
 STAN DEV            5.568      92.916      8.083     0.006
 STAN ERR            3.215      53.645      4.667     0.003
 COEF VAR             22.3        99.6       71.3      53.3

 CONFIDENCE INTERVALS BASED ON T STATISTIC

 90 %               17.436     -32.893      0.353     0.003
                    32.564     219.560     22.314     0.018

 95 %               14.771     -77.365     -3.516     0.000
                    35.229     264.031     26.183     0.020

 CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

 90 %               14.835     -76.307     -3.424     0.000
                    35.165     262.974     26.091     0.020

 95 %               10.624    -146.574     -9.537    -0.004
                    39.376     333.241     32.203     0.025

 ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
 (EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
 FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
 R OF THE POPULATION STANDARD DEVIATION.

 NORMALITY IS ASSUMED

 90 %    R
        0.05          53.7      1072.5      550.4     307.4
        0.10          13.4       268.1      137.6      76.9
        0.15           6.0       119.2       61.2      34.2
        0.20           3.4        67.0       34.4      19.2
        0.25           2.1        42.9       22.0      12.3
        0.30           1.5        29.8       15.3       8.5

 95 %    R
        0.05          76.2      1522.9      781.6     436.5
        0.10          19.1       380.7      195.4     109.1
        0.15           8.5       169.2       86.8      48.5
        0.20           4.8        95.2       48.9      27.3
        0.25           3.0        60.9       31.3      17.5
        0.30           2.1        42.3       21.7      12.1
```

```
VEG TYPE : 4    SITE : 4    SPECIES : IVAAXI    MICRO PLOT :

                                              DRY
            HEIGHT     COVER   DENSITY    WEIGHT
------------------------------------------------
NUM. OBS         2         2         2         2
MEAN        12.500    25.000     4.500     0.003
VARIANCE    84.500   200.000    12.500     0.000
STAN DEV     9.192    14.142     3.536     0.003
STAN ERR     6.500    10.000     2.500     0.002
COEF VAR      73.5      56.6      78.6      94.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %        -6.480    -4.200    -2.800    -0.003
            31.480    54.200    11.800     0.009

95 %       -15.470   -18.030    -6.257    -0.006
            40.470    68.030    15.257     0.012

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %        -8.055    -6.623    -3.406    -0.003
            33.055    56.623    12.406     0.009

95 %       -16.569   -19.721    -6.680    -0.006
            41.569    69.721    15.680     0.012

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05     585.2     346.3     668.0     961.9
    0.10     146.3      86.6     167.0     240.5
    0.15      65.0      38.5      74.2     106.9
    0.20      36.6      21.6      41.7      60.1
    0.25      23.4      13.9      26.7      38.5
    0.30      16.3       9.6      18.6      26.7

95 %   R
    0.05     831.0     491.7     948.5    1365.9
    0.10     207.8     122.9     237.1     341.5
    0.15      92.3      54.6     105.4     151.8
    0.20      51.9      30.7      59.3      85.4
    0.25      33.2      19.7      37.9      54.6
    0.30      23.1      13.7      26.3      37.9
```

```
VEG TYPE : 4    SITE : 4    SPECIES : LITTER    MICRO PLOT :

                                                        DRY
                   HEIGHT        COVER    DENSITY     WEIGHT
-----------------------------------------------------------------
NUM. OBS               0            19          0          0
MEAN               0.000  19040.368      0.000      0.000
VARIANCE           0.000**********      0.000      0.000
STAN DEV           0.000  13665.437      0.000      0.000
STAN ERR           0.000   3135.066      0.000      0.000
COEF VAR             0.0        71.8        0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000  13619.839      0.000      0.000
                   0.000  24460.898      0.000      0.000

95 %               0.000  12478.675      0.000      0.000
                   0.000  25602.062      0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000   9126.411      0.000      0.000
                   0.000  28954.325      0.000      0.000

95 %               0.000   5019.914      0.000      0.000
                   0.000  33060.823      0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05           0.0       557.4        0.0        0.0
    0.10           0.0       139.4        0.0        0.0
    0.15           0.0        61.9        0.0        0.0
    0.20           0.0        34.8        0.0        0.0
    0.25           0.0        22.3        0.0        0.0
    0.30           0.0        15.5        0.0        0.0

95 %   R
    0.05           0.0       791.5        0.0        0.0
    0.10           0.0       197.9        0.0        0.0
    0.15           0.0        87.9        0.0        0.0
    0.20           0.0        49.5        0.0        0.0
    0.25           0.0        31.7        0.0        0.0
    0.30           0.0        22.0        0.0        0.0
```

```
VEG TYPE : 4   SITE : 4   SPECIES : MELOFF   MICRO PLOT :

                                                  DRY
              HEIGHT      COVER   DENSITY      WEIGHT
-------------------------------------------------------
NUM. OBS           1          1         1           1
MEAN          10.000    110.000    22.000       0.018
VARIANCE       0.000      0.000     0.000       0.000
STAN DEV       0.000      0.000     0.000       0.000
STAN ERR       0.000      0.000     0.000       0.000
COEF VAR         0.0        0.0       0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          10.000    110.000    22.000       0.018
              10.000    110.000    22.000       0.013

95 %          10.000    110.000    22.000       0.018
              10.000    110.000    22.000       0.018

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          10.000    110.000    22.000       0.018
              10.000    110.000    22.000       0.018

95 %          10.000    110.000    22.000       0.018
              10.000    110.000    22.000       0.018

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05         0.0        0.0       0.0         0.0
    0.10         0.0        0.0       0.0         0.0
    0.15         0.0        0.0       0.0         0.0
    0.20         0.0        0.0       0.0         0.0
    0.25         0.0        0.0       0.0         0.0
    0.30         0.0        0.0       0.0         0.0

95 %    R
    0.05         0.0        0.0       0.0         0.0
    0.10         0.0        0.0       0.0         0.0
    0.15         0.0        0.0       0.0         0.0
    0.20         0.0        0.0       0.0         0.0
    0.25         0.0        0.0       0.0         0.0
    0.30         0.0        0.0       0.0         0.0
```

```
VEG TYPE : 4   SITE : 4   SPECIES : MULASP   MICRO PLOT :

                                                    DRY
                HEIGHT      COVER     DENSITY     WEIGHT
-------------------------------------------------------------
NUM. OBS             1          1           1          1
MEAN            45.000     15.000       2.000      0.002
VARIANCE         0.000      0.000       0.000      0.000
STAN DEV         0.000      0.000       0.000      0.000
STAN ERR         0.000      0.000       0.000      0.000
COEF VAR           0.0        0.0         0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            45.000     15.000       2.000      0.002
                45.000     15.000       2.000      0.002

95 %            45.000     15.000       2.000      0.002
                45.000     15.000       2.000      0.002

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            45.000     15.000       2.000      0.002
                45.000     15.000       2.000      0.002

95 %            45.000     15.000       2.000      0.002
                45.000     15.000       2.000      0.002

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
     0.05          0.0        0.0         0.0        0.0
     0.10          0.0        0.0         0.0        0.0
     0.15          0.0        0.0         0.0        0.0
     0.20          0.0        0.0         0.0        0.0
     0.25          0.0        0.0         0.0        0.0
     0.30          0.0        0.0         0.0        0.0

95 %   R
     0.05          0.0        0.0         0.0        0.0
     0.10          0.0        0.0         0.0        0.0
     0.15          0.0        0.0         0.0        0.0
     0.20          0.0        0.0         0.0        0.0
     0.25          0.0        0.0         0.0        0.0
     0.30          0.0        0.0         0.0        0.0
```

```
VEG TYPE : 4   SITE : 4   SPECIES : POAFEN   MICRO PLOT :

                                                         DRY
                 HEIGHT       COVER    DENSITY        WEIGHT
------------------------------------------------------------
NUM. OBS              1           1          1             1
MEAN             15.000     128.000    128.000         0.056
VARIANCE          0.000       0.000      0.000         0.000
STAN DEV          0.000       0.000      0.000         0.000
STAN ERR          0.000       0.000      0.000         0.000
COEF VAR            0.0         0.0        0.0           0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             15.000     128.000    128.000         0.056
                 15.000     128.000    128.000         0.056

95 %             15.000     128.000    128.000         0.056
                 15.000     128.000    128.000         0.056

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             15.000     128.000    128.000         0.056
                 15.000     128.000    128.000         0.056

95 %             15.000     128.000    128.000         0.056
                 15.000     128.000    128.000         0.056

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0         0.0        0.0           0.0
     0.10           0.0         0.0        0.0           0.0
     0.15           0.0         0.0        0.0           0.0
     0.20           0.0         0.0        0.0           0.0
     0.25           0.0         0.0        0.0           0.0
     0.30           0.0         0.0        0.0           0.0

95 %    R
     0.05           0.0         0.0        0.0           0.0
     0.10           0.0         0.0        0.0           0.0
     0.15           0.0         0.0        0.0           0.0
     0.20           0.0         0.0        0.0           0.0
     0.25           0.0         0.0        0.0           0.0
     0.30           0.0         0.0        0.0           0.0
```

```
VEG TYPE : 4   SITE : 4   SPECIES : POPFRE   MICRO PLOT :

                                                          DRY
                 HEIGHT       COVER     DENSITY        WEIGHT
-----------------------------------------------------------------
NUM. OBS            2           3            2              2
MEAN          1700.000 28666.667        4.500         77.600
VARIANCE  20000.000**********           0.500        327.680
STAN DEV       141.421 19629.909        0.707         18.102
STAN ERR       100.000 11333.333        0.500         12.800
COEF VAR           8.3      68.5         15.7           23.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %          1408.000  1999.333        3.040         40.224
              1992.000 55334.000        5.960        114.976

95 %          1269.700 -7396.000        2.348         22.522
              2130.300 64729.333        6.652        132.678

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %          1383.772 -7172.507        2.919         37.123
              2016.228 64505.840        6.081        118.077

95 %          1252.786-22017.587        2.264         20.357
              2147.214 79350.920        6.736        134.843

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          7.5     507.4         26.7           58.9
     0.10          1.9     126.9          6.7           14.7
     0.15          0.8      56.4          3.0            6.5
     0.20          0.5      31.7          1.7            3.7
     0.25          0.3      20.3          1.1            2.4
     0.30          0.2      14.1          0.7            1.6

95 %    R
     0.05         10.6     720.5         37.9           83.6
     0.10          2.7     180.1          9.5           20.9
     0.15          1.2      80.1          4.2            9.3
     0.20          0.7      45.0          2.4            5.2
     0.25          0.4      28.8          1.5            3.3
     0.30          0.3      20.0          1.1            2.3
```

```
VEG TYPE : 4    SITE : 4    SPECIES : RHUTRI    MICRO PLOT :

                                                      DRY
               HEIGHT      COVER     DENSITY      WEIGHT
---------------------------------------------------------
NUM. OBS            1          1           1           1
MEAN           15.000     55.000       3.000       0.004
VARIANCE        0.000      0.000       0.000       0.000
STAN DEV        0.000      0.000       0.000       0.000
STAN ERR        0.000      0.000       0.000       0.000
COEF VAR          0.0        0.0         0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           15.000     55.000       3.000       0.004
               15.000     55.000       3.000       0.004

95 %           15.000     55.000       3.000       0.004
               15.000     55.000       3.000       0.004

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           15.000     55.000       3.000       0.004
               15.000     55.000       3.000       0.004

95 %           15.000     55.000       3.000       0.004
               15.000     55.000       3.000       0.004

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05         0.0        0.0         0.0         0.0
     0.10         0.0        0.0         0.0         0.0
     0.15         0.0        0.0         0.0         0.0
     0.20         0.0        0.0         0.0         0.0
     0.25         0.0        0.0         0.0         0.0
     0.30         0.0        0.0         0.0         0.0

95 %    R
     0.05         0.0        0.0         0.0         0.0
     0.10         0.0        0.0         0.0         0.0
     0.15         0.0        0.0         0.0         0.0
     0.20         0.0        0.0         0.0         0.0
     0.25         0.0        0.0         0.0         0.0
     0.30         0.0        0.0         0.0         0.0
```

```
VEG TYPE : 4   SITE : 4   SPECIES : SALEXI   MICRO PLOT :

                                                  DRY
                HEIGHT       COVER   DENSITY    WEIGHT
------------------------------------------------------
NUM. OBS            10          11        10        10
MEAN           170.000    1326.455     1.800     0.449
VARIANCE 34759.111**********           0.844     0.694
STAN DEV       186.438    1943.729     0.919     0.833
STAN ERR        58.957     586.056     0.291     0.263
COEF VAR         109.7       146.5      51.1     185.7

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            63.170     273.898     1.273    -0.029
               276.830    2379.012     2.327     0.926

95 %            38.644      36.545     1.153    -0.138
               301.356    2616.364     2.447     1.035

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           -16.438    -526.819     0.881    -0.385
               356.438    3179.729     2.719     1.282

95 %           -93.663   -1294.471     0.500    -0.730
               433.663    3947.380     3.100     1.627

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05      1301.5      2323.7     282.0    3733.7
     0.10       325.4       580.9      70.5     933.4
     0.15       144.6       258.2      31.3     414.9
     0.20        81.3       145.2      17.6     233.4
     0.25        52.1        92.9      11.3     149.3
     0.30        36.2        64.5       7.8     103.7

95 %    R
     0.05      1848.2      3299.6     400.5    5301.8
     0.10       462.0       824.9     100.1    1325.5
     0.15       205.4       366.6      44.5     589.1
     0.20       115.5       206.2      25.0     331.4
     0.25        73.9       132.0      16.0     212.1
     0.30        51.3        91.7      11.1     147.3
```

```
VEG TYPE : 4    SITE : 4    SPECIES : STALIT    MICRO PLOT : 01

                                                         DRY
                    HEIGHT       COVER    DENSITY     WEIGHT
------------------------------------------------------------
NUM. OBS                 0           0          0          3
MEAN                 0.000       0.000      0.000      0.176
VARIANCE             0.000       0.000      0.000      0.036
STAN DEV             0.000       0.000      0.000      0.190
STAN ERR             0.000       0.000      0.000      0.110
COEF VAR               0.0         0.0        0.0      108.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                 0.000       0.000      0.000     -0.082
                     0.000       0.000      0.000      0.433

95 %                 0.000       0.000      0.000     -0.173
                     0.000       0.000      0.000      0.524

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                 0.000       0.000      0.000     -0.171
                     0.000       0.000      0.000      0.522

95 %                 0.000       0.000      0.000     -0.314
                     0.000       0.000      0.000      0.666

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05              0.0         0.0        0.0     1262.5
     0.10              0.0         0.0        0.0      315.6
     0.15              0.0         0.0        0.0      140.3
     0.20              0.0         0.0        0.0       78.9
     0.25              0.0         0.0        0.0       50.5
     0.30              0.0         0.0        0.0       35.1

95 %    R
     0.05              0.0         0.0        0.0     1792.7
     0.10              0.0         0.0        0.0      448.2
     0.15              0.0         0.0        0.0      199.2
     0.20              0.0         0.0        0.0      112.0
     0.25              0.0         0.0        0.0       71.7
     0.30              0.0         0.0        0.0       49.8
```

```
VEG TYPE : 4   SITE : 4   SPECIES : STALIT   MICRO PLOT : 02

                                                     DRY
                HEIGHT      COVER    DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS             0          0          0          6
MEAN             0.000      0.000      0.000      0.023
VARIANCE         0.000      0.000      0.000      0.001
STAN DEV         0.000      0.000      0.000      0.025
STAN ERR         0.000      0.000      0.000      0.010
COEF VAR           0.0        0.0        0.0      105.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             0.000      0.000      0.000      0.004
                 0.000      0.000      0.000      0.043

95 %             0.000      0.000      0.000     -0.001
                 0.000      0.000      0.000      0.048

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             0.000      0.000      0.000     -0.008
                 0.000      0.000      0.000      0.055

95 %             0.000      0.000      0.000     -0.022
                 0.000      0.000      0.000      0.068

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05           0.0        0.0        0.0     1201.1
    0.10           0.0        0.0        0.0      300.3
    0.15           0.0        0.0        0.0      133.5
    0.20           0.0        0.0        0.0       75.1
    0.25           0.0        0.0        0.0       48.0
    0.30           0.0        0.0        0.0       33.4

95 %   R
    0.05           0.0        0.0        0.0     1705.5
    0.10           0.0        0.0        0.0      426.4
    0.15           0.0        0.0        0.0      189.5
    0.20           0.0        0.0        0.0      106.6
    0.25           0.0        0.0        0.0       68.2
    0.30           0.0        0.0        0.0       47.4
```

```
VEG TYPE : 4   SITE : 4   SPECIES : TAMPEN   MICRO PLOT :

                                                 DRY
                HEIGHT      COVER   DENSITY    WEIGHT
-------------------------------------------------------
NUM. OBS             7          8         7         7
MEAN           193.286   5806.000     5.429     3.274
VARIANCE  22912.571**********        21.619    18.225
STAN DEV       151.369   9341.902     4.650     4.269
STAN ERR        57.212   3302.861     1.757     1.614
COEF VAR          78.3      160.9      85.7     130.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            84.869   -337.322     2.098     0.217
               301.703  11949.322     8.759     6.332

95 %            57.979  -1810.398     1.272    -0.542
               328.592  13422.398     9.585     7.090

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            12.365  -4638.572    -0.129    -1.828
               374.206  16250.572    10.986     8.377

95 %           -62.575  -8964.857    -2.431    -3.942
               449.146  20576.857    13.288    10.490

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05         663.7     2801.6     793.9    1839.4
    0.10         165.9      700.4     198.5     459.9
    0.15          73.7      311.3      88.2     204.4
    0.20          41.5      175.1      49.6     115.0
    0.25          26.5      112.1      31.8      73.6
    0.30          18.4       77.8      22.1      51.1

95 %    R
    0.05         942.4     3978.2    1127.3    2612.0
    0.10         235.6      994.6     281.8     653.0
    0.15         104.7      442.0     125.3     290.2
    0.20          58.9      248.6      70.5     163.2
    0.25          37.7      159.1      45.1     104.5
    0.30          26.2      110.5      31.3      72.6
```

```
VEG TYPE : 4    SITE : 5    SPECIES : AMBPSI    MICRO PLOT :

                                                        DRY
                  HEIGHT      COVER     DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS               3           3           3           3
MEAN              23.667     183.333      11.333       0.066
VARIANCE          30.333   10833.333      81.333       0.005
STAN DEV           5.508     104.083       9.018       0.068
STAN ERR           3.180      60.093       5.207       0.039
COEF VAR            23.3        56.8        79.6       103.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              16.185      41.936      -0.918      -0.026
                  31.149     324.731      23.585       0.159

95 %              13.549      -7.881      -5.235      -0.059
                  33.785     374.548      27.901       0.192

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              13.611      -6.696      -5.132      -0.058
                  33.722     373.363      27.799       0.191

95 %               9.446     -85.409     -11.952      -0.110
                  37.887     452.076      34.619       0.243

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05          58.6       348.8       685.2      1147.1
      0.10          14.7        87.2       171.3       286.8
      0.15           6.5        38.8        76.1       127.5
      0.20           3.7        21.8        42.8        71.7
      0.25           2.3        14.0        27.4        45.9
      0.30           1.6         9.7        19.0        31.9

95 %    R
      0.05          83.2       495.3       973.0      1628.9
      0.10          20.8       123.8       243.3       407.2
      0.15           9.2        55.0       108.1       181.0
      0.20           5.2        31.0        60.8       101.8
      0.25           3.3        19.8        38.9        65.2
      0.30           2.3        13.8        27.0        45.2
```

```
                                                            DRY
                 HEIGHT        COVER    DENSITY      WEIGHT
------------------------------------------------------------
NUM. OBS              4            4          4           4
MEAN             91.750     4425.000      2.250       7.422
VARIANCE         74.917**********         3.583      64.552
STAN DEV          8.655     3615.130      1.893       8.034
STAN ERR          4.328     1807.565      0.946       4.017
COEF VAR            9.4         81.7       84.1       108.3

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             82.523      571.271      0.232      -1.143
                100.977     8278.729      4.268      15.987

95 %             79.736     -592.801     -0.377      -3.730
                103.764     9442.801      4.877      18.574

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             78.065   -1291.027      -0.743      -5.282
                105.435   10141.027       5.243      20.126

95 %             72.396   -3658.684      -1.983     -10.543
                111.104   12508.684       6.483      25.387

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05          9.6        722.3      766.0      1268.1
      0.10          2.4        180.6      191.5       317.0
      0.15          1.1         80.3       85.1       140.9
      0.20          0.6         45.1       47.9        79.3
      0.25          0.4         28.9       30.6        50.7
      0.30          0.3         20.1       21.3        35.2

95 %    R
      0.05         13.7       1025.6     1087.7      1800.7
      0.10          3.4        256.4      271.9       450.2
      0.15          1.5        114.0      120.9       200.1
      0.20          0.9         64.1       68.0       112.5
      0.25          0.5         41.0       43.5        72.0
      0.30          0.4         28.5       30.2        50.0
```

```
VEG TYPE : 4   SITE : 5    SPECIES : ASTSPP    MICRO PLOT :

                                                          DRY
                    HEIGHT       COVER      DENSITY      WEIGHT
----------------------------------------------------------------
NUM. OBS                 1           1            1           1
MEAN                30.000      10.000        1.000       0.019
VARIANCE             0.000       0.000        0.000       0.000
STAN DEV             0.000       0.000        0.000       0.000
STAN ERR             0.000       0.000        0.000       0.000
COEF VAR               0.0         0.0          0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %                30.000      10.000        1.000       0.019
                    30.000      10.000        1.000       0.019

95 %                30.000      10.000        1.000       0.019
                    30.000      10.000        1.000       0.019

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %                30.000      10.000        1.000       0.019
                    30.000      10.000        1.000       0.019

95 %                30.000      10.000        1.000       0.019
                    30.000      10.000        1.000       0.019

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05              0.0         0.0          0.0         0.0
     0.10              0.0         0.0          0.0         0.0
     0.15              0.0         0.0          0.0         0.0
     0.20              0.0         0.0          0.0         0.0
     0.25              0.0         0.0          0.0         0.0
     0.30              0.0         0.0          0.0         0.0

95 %    R
     0.05              0.0         0.0          0.0         0.0
     0.10              0.0         0.0          0.0         0.0
     0.15              0.0         0.0          0.0         0.0
     0.20              0.0         0.0          0.0         0.0
     0.25              0.0         0.0          0.0         0.0
     0.30              0.0         0.0          0.0         0.0
```

```
VEG TYPE : 4   SITE : 5   SPECIES : BARGRO   MICRO PLOT :

                                                   DRY
              HEIGHT      COVER   DENSITY       WEIGHT
----------------------------------------------------
NUM. OBS            0         20         0           0
MEAN            0.000  21756.150     0.000       0.000
VARIANCE        0.000**********      0.000       0.000
STAN DEV        0.000   9981.409     0.000       0.000
STAN ERR        0.000   2231.911     0.000       0.000
COEF VAR          0.0       45.9       0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %            0.000  17906.104     0.000       0.000
                0.000  25606.196     0.000       0.000

95 %            0.000  17100.384     0.000       0.000
                0.000  26411.916     0.000       0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %            0.000  14698.223     0.000       0.000
                0.000  28814.077     0.000       0.000

95 %            0.000  11774.732     0.000       0.000
                0.000  31737.568     0.000       0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05          0.0      227.8       0.0         0.0
    0.10          0.0       56.9       0.0         0.0
    0.15          0.0       25.3       0.0         0.0
    0.20          0.0       14.2       0.0         0.0
    0.25          0.0        9.1       0.0         0.0
    0.30          0.0        6.3       0.0         0.0

95 %    R
    0.05          0.0      323.4       0.0         0.0
    0.10          0.0       80.9       0.0         0.0
    0.15          0.0       35.9       0.0         0.0
    0.20          0.0       20.2       0.0         0.0
    0.25          0.0       12.9       0.0         0.0
    0.30          0.0        9.0       0.0         0.0
```

```
VEG TYPE : 4   SITE : 5   SPECIES : CHRNAU   MICRO PLOT :

                                                 DRY
               HEIGHT      COVER    DENSITY    WEIGHT
-----------------------------------------------------
NUM, OBS            7          7          7          7
MEAN           84.429   1351.429      1.857      1.148
VARIANCE    1068.619933180.952        5.143      1.001
STAN DEV       32.690    966.013      2.268      1.001
STAN ERR       12.356    365.119      0.857      0.378
COEF VAR         38.7       71.5      122.1       87.2

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           61.015    659.529      0.233      0.431
              107.842   2043.328      3.481      1.865

95 %           55.208    487.923     -0.170      0.254
              113.649   2214.934      3.884      2.042

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           45.357    196.821     -0.853     -0.048
              123.500   2506.036      4.568      2.344

95 %           29.173   -281.433     -1.976     -0.543
              139.684   2984.290      5.690      2.839

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05       162.2      552.9     1613.6      822.0
     0.10        40.6      138.2      403.4      205.5
     0.15        18.0       61.4      179.3       91.3
     0.20        10.1       34.6      100.9       51.4
     0.25         6.5       22.1       64.5       32.9
     0.30         4.5       15.4       44.8       22.8

95 %    R
     0.05       230.4      785.1     2291.3     1167.2
     0.10        57.6      196.3      572.8      291.8
     0.15        25.6       87.2      254.6      129.7
     0.20        14.4       49.1      143.2       73.0
     0.25         9.2       31.4       91.7       46.7
     0.30         6.4       21.8       63.6       32.4
```

```
VEG TYPE : 4   SITE : 5   SPECIES : CHRVIS   MICRO PLOT :

                                                       DRY
                 HEIGHT      COVER   DENSITY        WEIGHT
-----------------------------------------------------------
NUM. OBS             13         13         13           13
MEAN            103.538   7281.538      4.692        3.566
VARIANCE   1479.603**********           7.397       12.487
STAN DEV         38.466   7862.173      2.720        3.534
STAN ERR         10.668   2180.574      0.754        0.980
COEF VAR           37.2      108.0       58.0         99.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             84.645   3419.741      3.356        1.830
                122.432  11143.336      6.028        5.302

95 %             80.495   2571.498      3.063        1.449
                126.582  11991.579      6.322        5.683

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             69.802    385.951      2.307        0.467
                137.275  14177.125      7.078        6.665

95 %             55.828  -2470.296      1.319       -0.817
                151.249  17033.373      8.066        7.949

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05        149.4      1261.6      363.6       1062.6
     0.10         37.3       315.4       90.9        265.6
     0.15         16.6       140.2       40.4        118.1
     0.20          9.3        78.9       22.7         66.4
     0.25          6.0        50.5       14.5         42.5
     0.30          4.1        35.0       10.1         29.5

95 %    R
     0.05        212.1      1791.5      516.3       1508.8
     0.10         53.0       447.9      129.1        377.2
     0.15         23.6       199.1       57.4        167.6
     0.20         13.3       112.0       32.3         94.3
     0.25          8.5        71.7       20.7         60.4
     0.30          5.9        49.8       14.3         41.9
```

```
VEG TYPE : 4   SITE : 5   SPECIES : DISSPI   MICRO PLOT :

                                                    DRY
                  HEIGHT      COVER    DENSITY     WEIGHT
----------------------------------------------------------
NUM. OBS               8          8          8          8
MEAN              18.875   2275.000    125.125      0.568
VARIANCE          21.839*********** 27772.411      0.352
STAN DEV           4.673   1763.722    166.651      0.594
STAN ERR           1.652    623.570     58.920      0.210
COEF VAR            24.8       77.5      133.2      104.5

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              15.802   1115.160     15.534      0.178
                  21.948   3434.840    234.716      0.958

95 %              15.065    837.048    -10.744      0.084
                  22.685   3712.952    260.994      1.052

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              13.650    303.098    -61.196     -0.096
                  24.100   4246.902    311.446      1.232

95 %              11.486   -513.691   -138.373     -0.371
                  26.264   5063.691    388.623      1.507

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05          66.3      650.4     1919.6     1181.9
      0.10          16.6      162.6      479.9      295.5
      0.15           7.4       72.3      213.3      131.3
      0.20           4.1       40.7      120.0       73.9
      0.25           2.7       26.0       76.8       47.3
      0.30           1.8       18.1       53.3       32.8

95 %    R
      0.05          94.2      923.6     2725.8     1678.4
      0.10          23.5      230.9      681.5      419.6
      0.15          10.5      102.6      302.9      186.5
      0.20           5.9       57.7      170.4      104.9
      0.25           3.8       36.9      109.0       67.1
      0.30           2.6       25.7       75.7       46.6
```

```
VEG TYPE : 4    SITE : 5    SPECIES : GUTSAR    MICRO PLOT :

                                                        DRY
                 HEIGHT       COVER    DENSITY       WEIGHT
-------------------------------------------------------------
NUM. OBS              3           3          3            3
MEAN             45.000    8433.333      2.333        8.680
VARIANCE        277.000**********        2.333      106.731
STAN DEV         16.643    6439.203      1.528       10.331
STAN ERR          9.609    3717.675      0.882        5.965
COEF VAR           37.0        76.4       65.5        119.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %             22.390    -314.357      0.258       -5.355
                 67.610   17181.024      4.408       22.715

95 %             14.424   -3396.310     -0.473      -10.300
                 75.576   20262.977      5.140       27.659

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             14.614   -3322.998     -0.456      -10.182
                 75.386   20189.664      5.122       27.542

95 %              2.027   -8192.632     -1.611      -17.995
                 87.973   25059.299      6.277       35.354

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05        148.0       630.9      463.8       1533.1
      0.10         37.0       157.7      115.9        383.3
      0.15         16.4        70.1       51.5        170.3
      0.20          9.3        39.4       29.0         95.8
      0.25          5.9        25.2       18.6         61.3
      0.30          4.1        17.5       12.9         42.6

95 %    R
      0.05        210.2       895.9      658.6       2177.0
      0.10         52.5       224.0      164.6        544.3
      0.15         23.4        99.5       73.2        241.9
      0.20         13.1        56.0       41.2        136.1
      0.25          8.4        35.8       26.3         87.1
      0.30          5.8        24.9       18.3         60.5
```

```
VEG TYPE : 4   SITE : 5   SPECIES : KOCSCO   MICRO PLOT :

                                                     DRY
                  HEIGHT       COVER   DENSITY    WEIGHT
--------------------------------------------------------
NUM. OBS               3           3         3         3
MEAN              61.667    1433.333   108.667     0.896
VARIANCE        1808.333********** 27465.333     0.084
STAN DEV          42.525    1365.040   165.727     0.291
STAN ERR          24.552     788.106    95.682     0.168
COEF VAR            69.0        95.2     152.5      32.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               3.897    -421.080  -116.474     0.501
                 119.436    3287.747   333.807     1.291

95 %             -16.456   -1074.420  -195.795     0.362
                 139.790    3941.087   413.128     1.430

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %             -15.972   -1058.879  -193.908     0.365
                 139.305    3925.545   411.241     1.427

95 %             -48.131   -2091.187  -319.238     0.146
                 171.465    4957.854   536.572     1.646

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05          514.6       981.5    2517.0     113.9
     0.10          128.6       245.4     629.2      28.5
     0.15           57.2       109.1     279.7      12.7
     0.20           32.2        61.3     157.3       7.1
     0.25           20.6        39.3     100.7       4.6
     0.30           14.3        27.3      69.9       3.2

95 %    R
     0.05          730.7      1393.7    3574.1     161.7
     0.10          182.7       348.4     893.5      40.4
     0.15           81.2       154.9     397.1      18.0
     0.20           45.7        87.1     223.4      10.1
     0.25           29.2        55.7     143.0       6.5
     0.30           20.3        38.7      99.3       4.5
```

```
VEG TYPE : 4   SITE : 5   SPECIES : LITTER   MICRO PLOT :

                                                      DRY
                  HEIGHT      COVER   DENSITY      WEIGHT
-------------------------------------------------------------
NUM. OBS               0         20         0           0
MEAN               0.000   2998.100     0.000       0.000
VARIANCE           0.000**********      0.000       0.000
STAN DEV           0.000   3907.091     0.000       0.000
STAN ERR           0.000    873.652     0.000       0.000
COEF VAR             0.0      130.3       0.0         0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %               0.000   1491.050     0.000       0.000
                   0.000   4505.150     0.000       0.000

95 %               0.000   1175.662     0.000       0.000
                   0.000   4820.538     0.000       0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %               0.000    235.368     0.000       0.000
                   0.000   5760.832     0.000       0.000

95 %               0.000   -908.994     0.000       0.000
                   0.000   6905.194     0.000       0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0     1837.8       0.0         0.0
    0.10            0.0      459.5       0.0         0.0
    0.15            0.0      204.2       0.0         0.0
    0.20            0.0      114.9       0.0         0.0
    0.25            0.0       73.5       0.0         0.0
    0.30            0.0       51.1       0.0         0.0

95 %    R
    0.05            0.0     2609.7       0.0         0.0
    0.10            0.0      652.4       0.0         0.0
    0.15            0.0      290.0       0.0         0.0
    0.20            0.0      163.1       0.0         0.0
    0.25            0.0      104.4       0.0         0.0
    0.30            0.0       72.5       0.0         0.0
```

```
VEG TYPE : 4   SITE : 5   SPECIES : OPUSPP   MICRO PLOT :

                                                        DRY
                  HEIGHT       COVER      DENSITY     WEIGHT
---------------------------------------------------------------
NUM. OBS              0            1            0          0
MEAN              0.000       50.000        0.000      0.000
VARIANCE          0.000        0.000        0.000      0.000
STAN DEV          0.000        0.000        0.000      0.000
STAN ERR          0.000        0.000        0.000      0.000
COEF VAR            0.0          0.0          0.0        0.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000       50.000        0.000      0.000
                  0.000       50.000        0.000      0.000

95 %              0.000       50.000        0.000      0.000
                  0.000       50.000        0.000      0.000

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000       50.000        0.000      0.000
                  0.000       50.000        0.000      0.000

95 %              0.000       50.000        0.000      0.000
                  0.000       50.000        0.000      0.000

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05           0.0          0.0          0.0        0.0
     0.10           0.0          0.0          0.0        0.0
     0.15           0.0          0.0          0.0        0.0
     0.20           0.0          0.0          0.0        0.0
     0.25           0.0          0.0          0.0        0.0
     0.30           0.0          0.0          0.0        0.0

95 %    R
     0.05           0.0          0.0          0.0        0.0
     0.10           0.0          0.0          0.0        0.0
     0.15           0.0          0.0          0.0        0.0
     0.20           0.0          0.0          0.0        0.0
     0.25           0.0          0.0          0.0        0.0
     0.30           0.0          0.0          0.0        0.0
```

```
VEG TYPE : 4   SITE : 5   SPECIES : SALKAL   MICRO PLOT :

                                                 DRY
               HEIGHT      COVER   DENSITY    WEIGHT
------------------------------------------------------
NUM. OBS           11         11        11        11
MEAN           22.364    875.909    50.818     0.232
VARIANCE       99.255********** 14028.164     0.084
STAN DEV        9.963   1001.785   118.441     0.290
STAN ERR        3.004    302.050    35.711     0.088
COEF VAR         44.5      114.4     233.1     125.1

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           16.969    333.428   -13.319     0.075
               27.759   1418.390   114.955     0.389

95 %           15.752    211.098   -27.782     0.039
               28.975   1540.720   129.418     0.425

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           12.865    -79.257   -62.111    -0.045
               31.863   1831.075   163.747     0.509

95 %            8.930   -474.899  -108.887    -0.159
               35.797   2226.718   210.524     0.624

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %   R
    0.05        214.8     1415.5    5878.3    1692.6
    0.10         53.7      353.9    1469.6     423.2
    0.15         23.9      157.3     653.1     188.1
    0.20         13.4       88.5     367.4     105.8
    0.25          8.6       56.6     235.1      67.7
    0.30          6.0       39.3     163.3      47.0

95 %   R
    0.05        305.0     2010.0    8347.1    2403.5
    0.10         76.2      502.5    2086.8     600.9
    0.15         33.9      223.3     927.5     267.1
    0.20         19.1      125.6     521.7     150.2
    0.25         12.2       80.4     333.9      96.1
    0.30          8.5       55.8     231.9      66.8
```

```
VEG TYPE : 4   SITE : 5   SPECIES : SARVER   MICRO PLOT :

                                                    DRY
                 HEIGHT      COVER   DENSITY     WEIGHT
-----------------------------------------------------------
NUM. OBS              5          6         5          5
MEAN            547.000   6508.333     2.000      9.819
VARIANCE702337.000**********     1.000    120.923
STAN DEV        838.055   6187.117     1.000     10.996
STAN ERR        374.790   2525.880     0.447      4.918
COEF VAR          153.2       95.1      50.0      112.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %           -208.201   1600.549     1.099     -0.090
               1302.201  11416.118     2.901     19.728

95 %           -416.585    327.505     0.850     -2.825
               1510.585  12689.162     3.150     22.463

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %           -638.190  -1479.206     0.586     -5.732
               1732.190  14495.873     3.414     25.370

95 %          -1129.112  -4787.755    -0.000    -12.174
               2223.112  17804.422     4.000     31.812

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
       0.05      2540.1      978.0     270.5     1357.3
       0.10       635.0      244.5      67.6      339.3
       0.15       282.2      108.7      30.1      150.8
       0.20       158.8       61.1      16.9       84.8
       0.25       101.6       39.1      10.8       54.3
       0.30        70.6       27.2       7.5       37.7

95 %    R
       0.05      3607.0     1308.7     364.2     1927.3
       0.10       901.7      347.2      96.0      481.8
       0.15       400.8      154.3      42.7      214.1
       0.20       225.4       86.8      24.0      120.5
       0.25       144.3       55.5      15.4       77.1
       0.30       100.2       38.6      10.7       53.5
```

```
VEG TYPE : 4   SITE : 5   SPECIES : STALIT   MICRO PLOT : 01

                                                  DRY
                  HEIGHT      COVER   DENSITY    WEIGHT
----------------------------------------------------------
NUM. OBS              0           0         0          3
MEAN              0.000       0.000     0.000      0.024
VARIANCE          0.000       0.000     0.000      0.001
STAN DEV          0.000       0.000     0.000      0.031
STAN ERR          0.000       0.000     0.000      0.018
COEF VAR            0.0         0.0       0.0      130.0

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000       0.000     0.000     -0.018
                  0.000       0.000     0.000      0.066

95 %              0.000       0.000     0.000     -0.033
                  0.000       0.000     0.000      0.081

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000       0.000     0.000     -0.033
                  0.000       0.000     0.000      0.081

95 %              0.000       0.000     0.000     -0.057
                  0.000       0.000     0.000      0.105

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
    0.05            0.0         0.0       0.0     1828.0
    0.10            0.0         0.0       0.0      457.0
    0.15            0.0         0.0       0.0      203.1
    0.20            0.0         0.0       0.0      114.3
    0.25            0.0         0.0       0.0       73.1
    0.30            0.0         0.0       0.0       50.8

95 %    R
    0.05            0.0         0.0       0.0     2595.7
    0.10            0.0         0.0       0.0      648.9
    0.15            0.0         0.0       0.0      288.4
    0.20            0.0         0.0       0.0      162.2
    0.25            0.0         0.0       0.0      103.8
    0.30            0.0         0.0       0.0       72.1
```

```
VEG TYPE : 4   SITE : 5   SPECIES : STALIT   [illegible]

                  HEIGHT       COVER    DENSITY    [illegible]
-----------------------------------------------------------------
NUM. OBS              0           0          0     [illegible]
MEAN              0.000       0.000      0.000     [illegible]
VARIANCE          0.000       0.000      0.000     [illegible]
STAN DEV          0.000       0.000      0.000     [illegible]
STAN ERR          0.000       0.000      0.000     [illegible]
COEF VAR            0.0         0.0        0.0     [illegible]

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %              0.000       0.000      0.000     -0.0[illegible]1
                  0.000       0.000      0.000      0.015

95 %              0.000       0.000      0.000     -0.004
                  0.000       0.000      0.000      0.017

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %              0.000       0.000      0.000     -0.004
                  0.000       0.000      0.000      0.017

95 %              0.000       0.000      0.000     -0.008
                  0.000       0.000      0.000      0.022

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
      0.05          0.0         0.0         0.0      811.6
      0.10          0.0         0.0         0.0      202.9
      0.15          0.0         0.0         0.0       90.2
      0.20          0.0         0.0         0.0       50.7
      0.25          0.0         0.0         0.0       32.5
      0.30          0.0         0.0         0.0       22.5

95 %    R
      0.05          0.0         0.0         0.0     1152.5
      0.10          0.0         0.0         0.0      288.1
      0.15          0.0         0.0         0.0      128.1
      0.20          0.0         0.0         0.0       72.0
      0.25          0.0         0.0         0.0       46.1
      0.30          0.0         0.0         0.0       32.0
```

```
VEG TYPE : 4   SITE : 5   SPECIES : TAMPEN   MICRO PLOT :

                                                  DRY
              HEIGHT      COVER    DENSITY     WEIGHT
-------------------------------------------------------
NUM. OBS            2           3          2         2
MEAN         1165.000  28666.667      1.000    62.200
VARIANCE*******************           0.000  1021.520
STAN DEV     1322.290  16289.056      0.000    31.961
STAN ERR      935.000   9404.491      0.000    22.600
COEF VAR        113.5       56.8        0.0      51.4

CONFIDENCE INTERVALS BASED ON T STATISTIC

90 %        -1565.200   6537.900      1.000    -3.792
             3895.200  50795.433      1.000   128.192

95 %        -2858.305  -1258.423      1.000   -35.048
             5188.305  58591.756      1.000   159.448

CONFIDENCE BASED ON TCHEBYCHEFFS INEQUALITY

90 %        -1791.732  -1072.966      1.000    -9.268
             4121.732  58406.299      1.000   133.668

95 %        -3016.451-13391.532      1.000   -38.870
             5346.451  70724.865      1.000   163.270

ESTIMATED SAMPLE SIZE SUCH THAT WITH A GIVEN PROBILITY
(EXPRESSED BY THE ALPHA LEVEL) THE SAMPLE MEAN DIFFERS
FROM THE POPULATION MEAN BY NOT MORE THAN A GIVEN FRACTION
R OF THE POPULATION STANDARD DEVIATION.

NORMALITY IS ASSUMED

90 %    R
     0.05      1394.1       349.4        0.0     285.7
     0.10       348.5        87.4        0.0      71.4
     0.15       154.9        38.8        0.0      31.7
     0.20        87.1        21.8        0.0      17.9
     0.25        55.8        14.0        0.0      11.4
     0.30        38.7         9.7        0.0       7.9

95 %    R
     0.05      1979.6       496.1        0.0     405.7
     0.10       494.9       124.0        0.0     101.4
     0.15       220.0        55.1        0.0      45.1
     0.20       123.7        31.0        0.0      25.4
     0.25        79.2        19.8        0.0      16.2
     0.30        55.0        13.8        0.0      11.3
```

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